ROSE STATE COLLEGE

2024-2025 ACADEMIC CATALOG

ROSE.EDU

A Message from the President

Dr. Jeanie Webb, President

Welcome to Rose State College! Whether you are a returning student or enrolling for the first time, we are so excited that you have chosen to be a Raider. Rose State is truly a special place.

I want you to know that you can believe in Rose State College and its commitment to learning and academic excellence. We are proud to showcase the many quality associate degree programs and certificate options that we provide to enrich our students' lives. Rose State offers relevant courses in the fields of business and information technology, engineering and science, social sciences, humanities, and health sciences. We consistently partner with community members, industry leaders, and other institutions to ensure we remain innovative and effective in our curriculum, technology, and campus resources to meet transferability and workforce needs.

Rose State College is more than a college, it is a place of belonging. We value our highly diverse campus community, where you are an important part of our Raider family. Rose State is a trendsetter in community college life by offering residence life, athletics, student organizations, campus dining, and numerous weekly events focused on academics, arts, and culture. In addition, our faculty and staff sincerely care about the success and well-being of our students. With a 20:1 student to faculty ratio, we believe that students are more than just numbers; they are people.

Lastly, Rose State College is a place where you can prepare yourself to become whoever you want to be. You have goals; we have options. So, dare to dream, don't be afraid to work hard, and remember—we want to see you succeed and are here to help you accomplish your goals both educationally and professionally.

Again, welcome to Rose State College and best of luck this semester. I have no doubt that you will accomplish your goals in the classroom and enjoy your experience here at Rose State. We look forward to celebrating you and your success!

Rose State College Board of Regents 2023-2024

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Academic Calendar

For detailed information on short term class schedules and fee deadlines, consult the College schedule or website: https://www.rose.edu/

Fall 2024	First 8-Week	16-Week	Second 8-Week
Regular Enrollment	March 25-August 19	March 25-August 19	March 25-October 14
Class work Begins	August 19	August 19	October 14
Last Day to Enroll	August 21	August 23	October 16
Last Day to Drop with 100% Refund	August 23	August 30	October 18
Labor Day Holiday	September 2	September 2	
Last Day to Change from Credit to Audit	September 13	October 11	November 8
Last Day to Withdraw	September 27	November 15	November 22
Thanksgiving Break		November 25-30	November 25-30
Final Examinations	October 9-10	December 9-14	December 11-12
Last Day of Semester	October 12	December 14	December 14

Spring 2025	First 8-Week	16-Week	Second 8-Week
Regular Enrollment	October 28-January 21	October 28-January 21	October 28-March 24
Martin Luther King Day–Holiday	January 20	January 20	
Class work Begins	January 21	January 21	March 24
Last Day to Enroll	January 23	January 27	March 26
Last Day to Drop with 100% Refund	January 27	February 3	March 28
Spring Break		March 17-22	March 17-22
Last Day to Change from Credit to Audit	February 17	March 14	April 18
Last Day to Withdraw	March 3	April 18	May 2
Commencement	May 9	May 9	May 9
Final Examinations	March 12-13	May 12-17	May 14-15
Last Day of Semester	March 15	May 17	May 17

Table Of Contents

Student Responsibility for RSC Information

Catalog Information

The publication of a catalog on a given date obviously does not stop the evolution of academic programs. The present catalog depicts the current status of the programs offered by Rose State College but only as of August 1 of the year of its publication. Changes in programs do occur. To reflect the changes, RSC maintains a master catalog on file in the Academic Affairs Office, which constitutes the official status of College policy and programs at all times. Any questions regarding changes may be directed to the Registrar's office.

Electronic Communication

Electronic communication is the official means for communication to the students of Rose State College. The College will send communications to students via e-mail and will expect that those communications are received and read in a timely manner.

Thus, all RSC students are issued a student e-mail account. The College will direct all electronic communications to the college-issued e-mail address. Students should monitor the college assigned student e-mail account on a frequent and consistent basis in order to remain informed.

General Information

History of the College

Mid-Del Junior College, later renamed Oscar Rose Junior College in memory of the well-known Midwest City-Del City Superintendent of Schools, offered its first classes on September 21, 1970. The school again was renamed Rose State College by Senate Bill #9 in April 1983. The new name became effective on November 1, 1983.

The College district was formed in 1968 by an overwhelming vote of the citizens in Midwest City, Del City, and some portions of southeast and northeast Oklahoma City. The vote followed passage of Senate Bill #2 in 1967, a law enabling district-operated community colleges to receive state aid. Voters of the new district then passed a $1.75 million general obligation bond issue and a 2-mill levy for operating expenses in 1969; a following vote in 1970 added a 3-mill levy for operations. In December 1973, the College became a member of The Oklahoma State System of Higher Education, after approval from the College's Board of Trustees.

RSC has grown from an initial enrollment of 1,700 in 1970 to a regular Fall enrollment of approximately 8,500. The campus now includes 25 buildings on approximately 120 acres.

College Vision Statement

Supporting, serving and advancing the common good—sustaining and advancing a tradition of excellence.

College Mission Statement

As a public and open admission institution that grants associate degrees, Rose State College provides higher education programs and services intended to foster lifelong learning for a diverse population.

College Functions

Rose State College has been authorized by the Oklahoma State Regents for Higher Education to provide programs and activities in the following areas:

- General Education
- Economic Development Services
- University Transfer Education
- Continuing Education
- Career and Technical Education
- Corporate Training Programs
- Developmental Education
- Selected Statewide Educational Services
- Community Services
- Institutional Research
- Student Development Services

Strategic Vision

By constantly creating and improving learning programs and services that are measurably effective and keenly matched to the needs of our students and community, Rose State College will be recognized as one of the nation's premier 2-year colleges, distinguished by

- Superior student retention and success rates;
- A growing multi-cultural and multi-generational student body;
- Development and efficient use of fiscal resources;
- Exceptional quality and diversity of programs and personnel.

Values

Learning–The College is a learner-centered institution that regards students as partners in the learning process and supports them in meeting their educational goals.

Excellence–The College establishes high standards designed to promote and sustain learning in an innovative environment, thereby honoring the trust of its internal and external stakeholders.

Integrity–The College maintains fair, honest, accurate, and consistent policies and procedures to assure credibility and accountability.

Service–The College builds lasting relationships with the communities it serves–recognizing the unique opportunity it has to positively impact the lives of both students and the greater citizenry.

Diversity–Acknowledging the value of diverse backgrounds and perspectives, the College is a place of diversity, civility, and collegiality, and celebrates the benefits of mutual learning and growth from all.

Accreditation

Rose State College was developed under the guidelines established by the Oklahoma State Regents for Higher Education and has received full accreditation by that body. This accreditation assures the transferability of credits from RSC to senior colleges and universities within the state of Oklahoma. This transferability has been further strengthened by an articulation policy which states that students who graduate with either an Associate in Arts or an Associate in Science degree from the accredited community colleges within the state will be able to transfer and have lower-division general education requirements satisfied at most of the public colleges and universities within the state.

Rose State College is accredited as a degree-granting institution by the Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604
Telephone: 1-800-621-7440
and Oklahoma State Regents for Higher Education.

The following professional organizations provide program accreditation or approval:

- Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, Suite 850, Atlanta, GA 30326
- American Bar Association
- Council on Law Enforcement, Education and Training (CLEET)
- Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
- Commission on Accreditation for Respiratory Care (CoARC)
- Commission on Accreditation of Early Childhood Higher Education Programs of the National Association for the Education of Young Children (NAEYC)
- Commission on Dental Accreditation of the American Dental Association
- Joint Review Committee on Education in Radiologic Technology
- National Accrediting Agency for Clinical Laboratory Sciences
- National Centers of Academic Excellence in Cyber Defense (CD) Education (CAE-CDE)
- Oklahoma Board of Nursing
- Oklahoma Department of Veterans Affairs State Approving Agency (ODVA SAA).

Articulation Agreements, Academic Contracts, and Prior Learning Agreements are signed with educational institutions, business and industry, and governmental training programs that hold specialty, regional, or national accreditations in their associated fields.

Admission to Rose State College

Basic Requirements for Admission

For admission to Rose State College, a student must have (a) graduated from an accredited high school and (b) participated in the American College Testing Program or similar acceptable battery of tests. Degree-seeking students enrolling beyond 9 credit hours need to provide official transcripts and the ACT or an acceptable battery of tests to the Office of Admissions and Records. Students applying for financial aid must meet degree-seeking criteria. Non degree-seeking students may attempt no more than 9 credit hours at Rose State College without submitting official transcripts. Exceptions are made for students under the following conditions:

Adult Admission Category

Adults 21 years of age or older or who are on active military duty may be admitted upon completion of assessment of academic skills. Applicants who have not graduated high school, but whose high school class has graduated, and who have participated in the ACT, the SAT or a similar battery of tests are eligible for admission to Rose State College. Students admitted under this category will be required to remove any curricular deficiencies as stated in the regular admission policy. A High School Equivalency, HSE, recipient's high school class must have graduated to be eligible for admission (the President or his/her designee may allow exceptions on an individual student basis).

Placement examinations will be used along with documented education and job experience to demonstrate readiness to perform at the collegiate level in the curricular areas for that adult student. Adult students may also demonstrate their proficiencies in curricular disciplines by taking designated courses.

Placement examinations and documented military training experiences will be utilized to demonstrate readiness to perform at the collegiate level in curricular areas for the active duty military student. The active duty military student's training experience will be reviewed and evaluated by examining records, which include technical training and assessment test results, equivalency guide recommendations. Active duty military students may also demonstrate their proficiencies in curricular disciplines by taking designated courses.

Transfer Probation Admission Policy

Rose State College will admit students under the Transfer Probation Admission Policy of the State Regents for Higher Education. Students admitted under this policy will be placed on probation and must maintain a 2.0 GPA each semester while on probation or raise their cumulative GPA to the designated level, as detailed in the State Regents' Institutional Admission and Retention policy. Students not maintaining these standards will be placed on suspension. "Transfer Probation" students with curricular and performance requirements must address the requirements within the first 12 credit hours attempted. RSC will provide students in this admission category with academic advising services in both the divisions and Academic Advisement area as well as study skills instruction through the Student Success Office. Additionally, personal counseling services are available through the The Counseling Center. Tutoring services are located in the Learning Resources Center. Developmental classes are available in the Academic Affairs area in reading, English, mathematics, science, and history.

High School Curricular Requirements

In accordance with the Oklahoma State Regents for Higher Education "Policy Statement on Admission To, Retention In, and Transfer Among Colleges and Universities of the State System," Rose State College requires that a student addresses high school curricular requirements in a specific discipline area, identified from the student's high school transcript of course areas listed, before he/she will be permitted to enroll in a college-level course in that designated discipline area.

High School Curricular Requirements for Admission to Programs Leading to Associate in Arts, Associate in Science, & Baccalaureate Degrees

Units/Years

4–English (grammar, composition, literature; should include an integrated writing component)

3–Lab Science (biology, chemistry, physics or any lab science certified by the school district; general science with or without a lab may not be used to meet this requirement)

3–Mathematics (from Algebra I, Algebra II, geometry, trigonometry, math analysis, pre-calculus, calculus, statistics and probability {must have completed geometry and Algebra II}, AP Statistics)

3–History and Citizenship Skills (must include one unit of American History, and 2 additional of any combination of history, economics, geography, government, non-Western culture.)

2–Additional units of subjects previously listed or selected from the following: computer science, foreign language, or any advanced placement course, psychology, sociology, or any liberal arts and sciences course (as defined in the *Undergraduate Degree Requirements* policy) taken via concurrent enrollment at a State System institution that is not being utilized to fulfill any area previously listed.

15–Total Required Units

While these curricular requirements will normally be met by students in grades 9-12, advanced students who complete these courses in earlier grades will not be required to take additional courses for purposes of admission.

*Students who entered the 9th grade in 1984-85 and 1985-86 will be allowed to substitute General Science (with a lab) for one of the laboratory sciences if they were informed that General Science with a lab would count as one lab science requirement.

*As a pilot study, beginning Fall 1994 for science, selected applied courses may be substituted for the high school courses specified in this section. There are strict parameters attached to this policy which regulate the substitution of applied courses.

Fulfilling Unmet Curricular Requirements

Students may not enroll in the following disciplines until curricular requirements are met:

1. English–Students must address high school curricular requirements in English before they may enroll in college-level courses with ENGL prefix.
2. History/Citizenship Skills–Students must address curricular requirements by enrolling in 2 history/citizenship classes in addition to Program Requirements.
3. Mathematics–Students must address curricular requirements in mathematics before they may enroll in college-level courses with MATH prefix.
4. Science–Students must address curricular requirements in science before they may enroll in college-level courses with CHEM, GEOL, BIOL, PHSC, and PHYS prefixes, or GEOG 1114.

Students must also satisfy prerequisites, as listed in the RSC Academic Catalog before enrollment in college courses.

Students' Demonstration of Curricular Competencies

Rose State College students with high school curricular requirements may demonstrate competencies in mathematics, English and reading by scoring at or above the cut score level on assessment tests that predict a grade of "C" or better 70% of the time in the appropriate discipline. Placement examinations consisting of Elementary Algebra and College Algebra tests, a Reading Comprehension test, and a writing test will be used.

Appropriate scores as minimum levels will be established by considering information from comparison of students' grades at RSC and computerized test scores, faculty input, comparisons between computerized test scores and placement examinations (previously utilized by the College for high school requirement removal), and levels for requirement removal on the computerized tests established by other State System of Higher Education institutions.

The level of the test scores required for deficiency removal in each discipline will be reviewed each year to ensure the predictability of a "C" or better 70% of the time. The minimum levels for high school requirement removal will be reviewed, and recommendations will be made annually by the Subcommittee on Assessment and Course Placement of the Academic Affairs Committee which has faculty representation from each of the disciplines involved.

High School Curricular Requirements for Completion of Associate in Arts or Associate in Science Degrees

Students pursuing Associate in Arts or Associate in Science degrees must address all high school curricular requirements within the first 24 credit hours attempted at Rose State College, or they will be permitted to enroll in requirement-removal courses only. Also, transfer students admitted to RSC with high school curricular requirements must address the requirements within the first 12 credit hours attempted at RSC, or they will be permitted to enroll in requirement-removal courses only. Students who are continuing satisfactory progress toward requirement removal may request, through the Registrar's office, special permission to continue their enrollment.

High School Curricular Requirements for Completion of Associate in Applied Science Degrees or Certificate Programs

Students pursuing Associate in Applied Science degrees or certificate programs may not be required to address all high school curricular requirements to complete a program of study but must address requirements before enrolling in courses within the designated discipline area. Also, students with curricular requirements may not transfer into an Associate in Arts, Associate in Science, or a baccalaureate degree program until all of the high school curricular requirements have been addressed.

Student Health Requirement

Rose State College does not require the presentation of a physical examination signed by a physician. However, students must submit documentation showing proof of immunization for Hepatitis B or sign an exemption form prior to admission to the College. A department may require documented evidence of a student's medical history as a part of its program admission criteria. (See the RSC Student Handbook for more details.)

Special Requirements

In addition to the basic, curricular and medical health requirements, special requirements apply to the following types of students: nonresidents of Oklahoma transfer students, concurrent high school students, home study students, graduates of unaccredited high schools, international students, undocumented immigrant students, and students for whom English is a second language.

Nonresidents of Oklahoma or First-Time Students

In order to be eligible for admission to any institution in the Oklahoma State System of Higher Education, nonresidents of Oklahoma (a) must be graduates of a high school accredited by the appropriate regional association or by an appropriate accrediting agency of their home state, (b) must have completed the mandated high school curricular requirements, (c) must have participated in the American College Testing program or a similarly acceptable battery of tests, and (d) must meet the academic performance standards of the specific institution to which they are applying.

Undergraduate Students Entering by Transfer from Out-Of-State Colleges

Undergraduate students wishing to transfer from an out-of-state college or university to Rose State College may do so by meeting the entrance requirements of the College and submitting official transcripts. Transcripts of record from colleges or universities that are institutionally-accredited will be accepted.

In many instances, general education courses from institutionally-accredited institutions will transfer on a one-to-one basis. In some cases, Rose State College reserves the right to require a course syllabus and/or other materials and information for review before making a determination as to transfer and applicability of courses. Some courses will also be evaluated on the basis of the recommendations contained in the current issue of the Report of Credit Given by Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers.

Undergraduate Students Entering by Transfer From Oklahoma Colleges

A student attending an Oklahoma college who wishes to transfer to Rose State College may do so by submitting official transcripts from all institutions attended. Transfer transcripts become the property of the College and cannot be returned. Transferring students must also meet the academic retention standards as outlined in the Academic Information Section of this Catalog.

Concurrent Enrollment of High School Students

Rose State College provides opportunities for students to get a head start on college by earning college credit while they are still in high school. High school juniors and seniors who meet policy requirements can participate in concurrent enrollment and earn college credit while in high school. For more information, contact the Academic Outreach Office at (405) 733-7951.

Home Study or Unaccredited High Schools

Individuals who are graduates of private, parochial, or other non-public high schools which are not accredited by a recognized accrediting agency are eligible for admission to Rose State College as follows:

1. Students must have participated in the American College Testing Program or a similar acceptable battery of tests.
2. Students must address the high school curricular requirements as outlined on Page 8 in "Students' Demonstration of Curricular Competencies."

Opportunity Admissions Category

Students who have not graduated from high school whose final composite standard score on the ACT demonstrate the probability of success in college level work may apply for full enrollment at a college or university in the State System. The college or university President or designee will determine admissibility based on test scores, evaluation of the student's level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of the student intellectually and socially.

Provisional High School Diploma

Any person who has been admitted to an accredited college or university may be awarded a high school diploma by the State Department of Education, provided that such person has successfully completed at least 30 hours of college work at an accredited college or university. Additional information may be received by contacting the: Oklahoma State Department of Education; Accreditation Standards Division; 2500 North Lincoln Boulevard; Oklahoma City, Oklahoma 73105-4599.

Programs With Additional Admission Requirements

Acceptance into Health Sciences programs, the Cyber Security Program and the Paralegal Studies Program is through action of admissions committees and/or Program Directors for each program. A limited number of students is accepted in each Health Science program. Students new to Rose State College should:

1. Meet with an advisor for assignment to the appropriate Program Director.
2. Meet with the Program Director for Academic Advisement and program application forms.
3. Complete the College admission requirements.
4. Carefully read Program Requirements for the Paralegal Studies Program, the Cyber Security Program or Health Sciences programs in addition to admission to Rose State College.

Oklahoma State Regents for Higher Education Policy Statement on Admission of Students for Whom English Is a Second Language

All students seeking to enroll at a college or university of the State System and for whom English is a second language shall be required to present evidence of proficiency in the English language prior to admission, either as first-time students or by transfer from another college or university. The intent of this policy is to admit only those students into an institution who have a reasonable chance of success based on their ability to comprehend, read and write the English language. Students must either demonstrate their competency in English by passing the test as described below or demonstrating proficiency by successfully completing the State Regents' high school core requirements in an English-speaking school. In administering this policy, institutions will err on the side of assuring competency in English. Institutions may not waive this admission requirement as part of the alternative admissions category.

For students who have not taken their high school core curriculum in an English-speaking school, the institutions will use the following minimum standards to determine English language proficiency. The following minimum standards shall be utilized by all State System institutions to determine English language proficiency.

1. All applicants shall have taken the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System Examination (IELTS) or the Pearson Test of English (PTE Academic) or the International English Proficiency Test (iTEP Academic) as the first step toward satisfying requirements for admission. Results of TOEFL tests taken at International Testing Centers and Special Testing Centers will be accepted at all State System colleges and universities. Results of TOEFL tests administered at Institutional Testing Centers shall not be accepted by colleges and universities other than the administering institution.
2. Applicants for first-time admission at the undergraduate level shall be required to present a score of 61 or higher on the internet-based TOEFL test, or 500 or higher on the paper-based TOEFL test, or 173 or higher on the computer-based TOEFL test, or 5.5 or higher on the IELTS test, or 44 on the PTE Academic test, or 3.5 on the iTEP Academic test in order to meet the standards for unqualified admission to a college or university of the State System. An individual not eligible for admission under this standard may be admitted at a State System institution if he/she presents a score of 48 or higher on the internet-based TOEFL test, or 460 or higher on the paper-based TOEFL test, or 140 on the computer-based test, or 5.0 or higher on the IELTS examination, or 36 or higher on the PTE Academic, or 3.0 or higher on the iTEP Academic and in addition, after achieving the required score and immediately prior to admission, successfully completed a minimum of 12 weeks of study at an Intensive English Program (IEP) approved by the State Regents. At least two-thirds of the 12 weeks must be instruction at an advanced level. A list of State Regents' approved IEPs can be found in the State Regents' Academic Affairs Procedures Handbook.
3. Applicants seeking admission by transfer who have attended an accredited college or university for a minimum of 24 semester credit hours with passing grades shall be admitted on the same basis as other transfer students.
4. The most recent policy change became effective upon approval by the State Regents on May 16, 2013.

5. The standards set forth above shall be utilized as minimums by all State System colleges and universities. Institutions wishing to establish higher standards for their own students may do so by submitting a proper and timely application to the Oklahoma State Regents for Higher Education. No policy establishing higher standards than those above shall be implemented without prior approval of the State Regents.

Additional Admission Requirements for International Students

International students and other students born outside the United States, including U.S. citizens or resident aliens, are assisted with their admission by qualified and experienced personnel in the Office of Admissions and Records located in the Administration Building. Additional academic counseling and guidance is provided by the advisement staff or by the Division Academic Advisors. Students are encouraged to make appointments for assistance as the need arises.

International students who apply for admission to Rose State College must submit OFFICIAL transcripts of complete secondary school and college credits, with notarized English translations. The student shall also complete other requirements for admission as requested by the College. The student must furnish satisfactory proof of proficiency in the English language by presenting a passing TOEFL or IELTS score. (See previous section.) In June 1980, the Oklahoma State Regents for Higher Education approved resolution No. 1073 on English language requirements for international students. (Requirements are listed in this Catalog, in the “Admissions” section.)

In addition, international students are highly encouraged to obtain valid proof of health insurance and repatriation insurance prior to formal admission. International students who are under 18 years of age must maintain valid health insurance while they are under 18. Evidence of financial ability to pay college and living expenses is necessary.

Students attending RSC on an F-1 Visa must adhere to the Department of Homeland Security immigration regulations pertaining to maintaining their immigration status. This includes, but is not limited to employment, academic progress toward a degree, grade point average (GPA) and conduct. Any violation of immigration status may result in dismissal from the institution and being reported as a termination to the Student Exchange Visitor Program (SEVP). For more information, students may contact the Office of Admissions and Records or the College's website: www.rose.edu

International Transcript Evaluation Requirement

International students may submit official transcripts of college credits earned in a foreign country for consideration of transfer credit on a course-by-course basis. To be considered for any credit, students must also submit an evaluation of their transcript(s) that has/have been completed by an approved foreign credential evaluation service. For a list of the approved evaluation services, please visit www.NACES.org. Only evaluated courses that may apply to the student’s chosen major will be used and shown on a degree audit. Some of these courses may be subject to Division Dean or Program Director approval. In some instances, the student may be asked to provide additional course descriptions or syllabi. More information can be obtained in the Office of Admissions and Records.

Undocumented Immigrant Students

Undocumented immigrant students must meet all admission standards set forth by the Oklahoma State Regents. There are 3 categories of undocumented immigrant students:

Category I–Students enrolled in a degree program during the 2006-07 year or any prior school year who received a resident tuition benefit pursuant to State Regents policy revised November 1, 2007. These students are “grandfathered” and remain eligible for resident tuition and state financial aid under the new policy. Students who were only enrolled as concurrent high school students during this time period are not included in this category.

Category II–Students enrolling in a postsecondary education institution in 2007-08 and thereafter. These students are subject to the new restrictions provided by the Oklahoma State Regents effective November 1, 2007. GED or homeschool education will not establish eligibility.

Category III (Oklahoma’s Promise)–While students participating in Oklahoma’s Promise also fall into either Category I or Category II, SB 820 provides unique treatment of these students with respect to their eligibility to receive the Oklahoma’s Promise award.

Depending on what category the student qualifies for, a notarized affidavit must be filed with the Rose State College Office of Admissions and Records. It may also be necessary to provide specific immigration documents to the College. No undocumented immigrant student is eligible for any type of federal financial aid, or RSC Foundation scholarships, but those who meet required criteria may be eligible to pay resident tuition or receive state financial aid. Undocumented immigrant students who did not graduate from a public or private high school in Oklahoma will not qualify for in-state status. Contact the RSC Office of Admissions and Records for more information.

Continuous Enrollment

A student who has missed 2 or more consecutive 16-week semesters at Rose State College must re-enter under the most current RSC Academic Catalog.

Admissions Committee

Students who have extraordinary situations and are not eligible for admission under the Oklahoma State Regents' regular or special admission policies may petition for special admission to the Rose State College Admissions Committee.

Sexual Misconduct, Sexual Harassment, & Unlawful Harassment Training for Incoming Students

Rose State College is committed to ensuring the safety and security for all members of the RSC campus community. The College condemns all forms of sexual misconduct; sexual harassment, and unlawful harassment in compliance with Title IX, the Violence Against Women Act (VAWA), and the Clery Act.

In compliance with federal law as required by Title IX, the Violence Against Women Act (VAWA), and the Clery Act, RSC is required to provide all first-time-enrolled students with sexual misconduct training specifically pertaining to: sexual assault; sexual harassment; domestic violence; dating violence; and stalking.

On behalf of the College, SafeColleges will be delivering an email to all first-time-enrolled students at RSC, informing them that they must complete the federally mandated online Sexual Misconduct training. Students will be able to complete the training via a log-on as directed by SafeColleges. Students will have the ability to log-in and log-out to the training as needed and save all completed work. The training should take approximately 45 to 50 minutes to complete.

Once the training is completed, students are required to either email a copy of the certificate of completion to the Student Conduct Officer at nturner@rose.edu or print out a copy of the certificate and submit it to the Student Conduct Office in the Student Services Building, Room 208.

Students may contact the Student Conduct Office via email at nturner@rose.edu or by phone at (405) 736-0355 for questions or concerns regarding the mandated Title IX, VAWA, and the Clery Act training.

Enrollment

Credit for Courses

Generally, 16 classroom contact hours equal 1 hour of credit. Thus, a class that meets the equivalent of 2 lecture class hours (1.15 clock hours each) per week for 16 weeks (1 semester) will be a 3-credit-hour course. In an 8-week session, the class hours per week double for the same amount of credit. Some courses which require laboratory work or skill practice meet for more class hours per week than the number of credit hours conferred. Some specified classes are offered in a non-traditional or hybrid format. Credit hours will be assigned proportionately.

Course Load

A student is considered full-time when enrolled in 12 or more credit hours during a 16-week semester, 6 or more credit hours in an 8-week semester, and corresponding numbers in concurrent sessions. However, a student who plans to complete a degree program in 2 years should remember that degree requirements vary and will require a minimum of 15-16 credit hours per semester for completion in 2 years. The minimum number of credit hours for degree completion is 60. In compliance with regulations of the National Junior College Athletic Association, students eligible for participation in intercollegiate athletic programs are considered full-time when enrolled in and maintaining 12 credit hours or more during a regular semester.

Classification of Students

Students who have successfully completed 30 semester hours are classified as sophomores; those with fewer than 30 hours are classified as freshmen; students with more than 62 hours who have no degree or program objective are classified as special students.

Computer Usage in Courses

All course sections at Rose State College may be web-enhanced and require some level of access to a computer and the College's Learning Management System. Free access to computers is available to all enrolled students in the Learning Resources Center and in other Academic Division computer laboratories.

Alternative Course Delivery

Although Rose State College remains a campus-based college, delivering classes in the traditional 8- and 16-week formats in a lecture and lab based classroom, alternative formats such as online courses and hybrid courses are certainly prevalent. In a hybrid course, part of the instruction will be delivered online and part of the instruction and/or testing may be held on campus.

Interactive Television Courses

Rose State College offers a limited number of courses through interactive television. The courses are broadcast over a state telecommunications system, known as OneNet, which reaches virtually every college and university in the state. Interactive television courses are listed separately in the semester schedule. RSC will serve as a receiving site for courses being broadcast from other colleges and universities over OneNet. Students who wish to enroll in courses being broadcast by other institutions should contact the originating institution about enrollment procedures and the availability of a receiving room. RSC will not commit as a receiving facility until a request is received from the college or university where the broadcast originates.

Online Courses

Rose State College has a growing number of courses that are offered in a fully online, Flex or hybrid format. Online courses can offer needed schedule flexibility for many students. If a student is comfortable using technology, is proficient at reading and writing, and is goal-oriented, an online course might be a good fit for him/her. For a list of courses offered during a particular semester, consult the appropriate class schedule by searching for "Semester Schedule" on the College website: www.rose.edu

Change of Schedule–Dropping/Adding Courses

Students who are enrolling at Rose State College for the first time must show official valid proof of government issued photo identification and must enroll through an Academic Advisor. Request for a change of schedule may be initiated at the Academic Advisement Center in the Student Services Building, at the Advisement Offices in the Academic Divisions, at the Rose State College Office at Tinker Air Force Base, or on the RSC website. First-time entering students, and undecided

majors should go to the Academic Advisement Office, Student Services Building, Room 100. Concurrent high school students should go to Academic Outreach, Learning Resources Center, Room 204. Students with previous college credit and/or declared majors should go to the appropriate division advisor. Students who don't have holds on their record that block registration may add or drop courses online. Deadlines for dropping and adding courses are recorded in the semester schedule for each individual session. Schedule changes made each semester before classes begin and during the drop/add periods of each session will not reflect the "W" mark (meaning Withdrawal) on the student's record. After the drop/add period, the mark of "W" will appear on all courses from which the student withdraws.

Complete Withdrawal from College

If students find it necessary to withdraw from Rose State College, they are encouraged to meet with an advisor in the advisor's office in the Academic Division and should then report to the Office of Admissions and Records in the Student Union Building to complete the necessary form, fax a signed letter prior to the deadline to withdraw or mail in a signed letter to the Office of Admissions and Records postmarked prior to the deadline to withdraw. Complete withdrawals may be done on the website at www.rose.edu. Complete withdrawals may not be done by phone. A student may withdraw from RSC according to the following schedule:

- Prior to the end of the 12th week in a 16-week session.
- Prior to the end of the 6th week of any 8-week session.
- Prior to the end of the 3rd week of any 4-week session.
- Prior to the last 3 class periods of an interim session.

Availability of Course Sections

Course sections are subject to the availability of funding from student tuition fees, tuition, and state appropriations. Course sections that do not reach minimum enrollment will be canceled.

Overload

No student will be permitted to enroll for more than 18 semester hours without permission of the Vice President or Associate Vice President for Academic Affairs. Students who are employed or who plan to seek employment are cautioned to consider carefully the amount of college work they attempt in relation to the number of hours they are employed each week. Students who overload themselves in employment or student activities may encounter scholastic difficulty. A good rule to remember is that a minimum of 2 hours of preparation outside class should be allotted for each hour of class time.

Auditing a Course

Any person eligible for regular admission, with the consent of the professor, may audit a class/es. Students are expected to attend classes but will not receive credit for the course. Students may be awarded credit in a course which they have previously audited by either repeating the course for credit or successfully completing an prior learning assessment exam. The fee structure for auditing a course is the same as the credit hour enrollment. Students may not audit a course for which they have a curricular or performance requirement. An audit in a course that is a prerequisite to another course is not evidence that the prerequisite has been satisfied.

Procedures for auditing a course will be administered by the Office of Admissions and Records. No audits will be approved prior to the first week of classes in any semester. Auditing of laboratory courses will not, as a general rule, be permitted.

Students enrolled in courses for audit may not change their enrollment to credit after the change of schedule period. With appropriate approval, students enrolled in courses for credit may change to audit status any time through the first half of a session (4 weeks of an 8-week session, 8 weeks of a 16-week session, etc.).

Senior Citizen Audit (Age 65+)

Senior citizens may enroll and request approval from the professor to audit a class as non-degree seeking students. Audit status indicates that students attend the class but are not required to complete assignments/ exams and, thus, receive an "AU" on their official transcript.

To proceed, senior citizen student admission is handled by the Office of Admissions and Records as non-degree seeking students. Students determine the class or classes in which they would like to enroll and either self-enroll or enroll with an academic advisor. Students may then contact the respective professor to request permission to enroll as an "audit." Students and professors both complete the Audit Form. Students must obtain the professor's permission by obtaining the professor's signature on the Audit Form. Student return the signed Audit Form for each class to the Office of Admissions and Records. The Registrar or Assistant Registrar enters the grade(s) of "AU" for each approved class. At the time of enrollment and following the "AU" grade entry, the Registrar will email the Business Office to indicate that a student is a senior citizen and he/she needs an adjustment on the account.

CO-ENROLLMENT AT OTHER COLLEGES

As a general rule, full-time students are not permitted to enroll concurrently at another collegiate institution. All students who plan to enroll concurrently at another institution must receive approval from the Registrar/Director of Admissions and Records.

EVALUATION OF MILITARY SERVICE FOR CREDIT

Completion of military basic training may meet the student's general education requirement for physical education in some degree programs. "A Guide to the Evaluation of Educational Experience in the Armed Services" is used to evaluate service schools, and recommendations are made by the Commission on Accreditation of Service Experiences and posted on the CCAF, and JST transcripts; however, Rose State College will make the final decision in granting such credit.

CREDIT FOR PRIOR LEARNING

The policy allowing students to be granted credit by examination recognizes that academic learning often occurs outside the formal college classroom setting.

Rose State College evaluates students' previous learning experiences by awarding prior learning assessment credit by institutionally prepared exams, standardized national tests such as the College Level Examination Program (CLEP) subject examinations, the Advanced Placement Program of the College Entrance Examination Board (AP), and DANTES Subject Standardized Test (DSST).

Students with Career Technology credit that has been reviewed and evaluated for credit by American Council on Education (ACE) may submit their Official ACE transcript to the Office of Admissions and Records for consideration of PLA credit, or they may test out utilizing the Extra-institutional Exams.

Subject matter tests such as the HESI LPN/Medic Challenge exam may also be used to validate experience in some disciplines.

A. ELIGIBILITY

1. Students eligible to receive credit for prior learning must be enrolled or eligible to re-enroll at RSC.

B. LIMITATIONS

1. Prior learning assessment credit (PLA) awarded to students must be validated by successful completion of 12 or more semester hours at RSC before being placed on students' official transcript.
2. The Oklahoma State Regents for Higher Education policy on degrees conferred specifies that credit may be earned by prior learning and applied to a degree program subject only to meeting the academic residency requirements of the institution conferring the degree.
   NOTE: A total of 62 hours are required for an associate degree. At RSC, students must complete at least 15 hours in residence for a degree, unless an exception is granted by the Vice President for Academic Affairs.
3. RSC may award prior learning credit only in those academic disciplines and in courses in the approved curriculum of the College. Whenever possible, an RSC course title and number will be assigned to the credit awarded. The neutral grade of satisfactory (S) will be utilized to designate prior learning credit.
4. Students may be awarded credit on the basis of a prior learning credit examination for a majority of the courses in the RSC Academic Catalog, whether or not a comparable course has previously been taken in high school or in college for which college credit has not been granted. Some exceptions may be necessary because of difficulty in structuring the time and place of the Prior Learning Credit Exam. The Division Dean will determine whether or not the test can be given. Credit for some courses may not apply toward a higher degree at another institution.
5. Credit will not be given for a prerequisite to a course for which credit has been granted.
6. Students may be awarded credit in a course which they have previously audited by either repeating the course for credit or successfully completing it through prior learning credit.

C. OTHER CRITERIA

1. Credit for prior learning awarded for military training schools shall not exceed the criteria and recommendations contained in publications of the American Council on Education especially designed for that purpose.
2. Credit for prior learning awarded for business and industry, labor union, governmental agencies, and other non-collegiate learning experiences shall not exceed the criteria and recommendations contained in the publications. An example is the acceptance of engineering technology credits from the Federal Aviation Authority on a course-by-course validation through the American Council on Education National Guide.
3. Credit for experiential learning, including but not limited to military occupational specialties (MOS), may be granted only on a course-by-course basis in instances in which an approved academic unit within the institution determines, on the basis of appropriate validation (i.e., not based simply on the presentation of experience), that the credit is equivalent to a course offered by the institution.
4. Credit for prior learning may be awarded to students who have taken "Higher Level" courses in the International

Baccalaureate program and has scored at least a 4 (on a 7-point scale) on the Higher Level course examination. Such credit shall be awarded on a course-by-course basis.

D. TRANSFERABILITY

Credit for prior learning, once recorded and validated, is transferable on the same basis as if the credit had been earned through regular study at this awarding institution.

E. CHARGES

Institutional charges for administration and recording of locally administered prior learning credit examinations shall be at the rate of $5 per semester credit-hour. Charges for administering and recording of nationally developed prior learning credit examinations shall be at the rate established by the national testing agency for the particular test in question. No other charges shall be made for the administering or recording of prior learning credit.

F. APPROVALS AND PROCEDURES

Students desiring to apply for prior learning credit examinations should report to the Office of Admissions and Records, where eligibility will be determined and detailed instructions given. Approval must be granted by the Division Dean. The Division Dean will make arrangements for administration of the examination. Some examinations will be given only on designated dates established by the appropriate division in which credit is sought. Any division may establish a waiting period of up to 6 months for students to take another extrainstitutional credit examination for a course for which they have failed a prior learning credit examination.

NOTE: The Rose State College Credit for Prior Learning Policy has been developed from criteria contained in the "Standards of Education Relating to Credit for Prior Learning" statement as adopted and revised by the Oklahoma State Regents for Higher Education, 2016.

Academic Contractual Arrangements between Rose State College & Other Entities

When a course or program is unavailable, under compliance with the Oklahoma State Regents for Higher Education and Higher Learning Commission policies, Rose State College may enter into an academic contractual arrangement with another entity to provide the course or program. Any course or program must be consistent with the institution's mission and approved function. Faculty must possess an academic degree relevant to what they are teaching and at least one degree level above the level at which they are teaching except in programs when equivalent experience is established, as reviewed by the academic administrator. The value and level of the credit shall be determined in accordance with established State Regents and institutional procedures under usual mechanisms of review. Courses offered for credit shall remain under the sole and direct control of the College. RSC has a process to ensure continued responsibility for quality and academic integrity in the performance of the contractual arrangement.

Raiders Horizon Honors Program

PURPOSE: The Raiders Horizon Honors Program offers students intellectual and cultural enrichment experiences through independent research, faculty mentorship relationships, and conference attendance and presentations. The program supplements all campus degree programs by offering opportunities across course work to develop enhanced knowledge and skills in their desired fields of study. The Honors Program is guided by an Honors Committee made up of representatives from the academic divisions' faculty as well as from the administration of the College.

PARTICIPATION: Students may elect to be involved in any part of the Honors Program. However, to graduate from the program, students must:

- Meet all requirements for a 2-year degree with a 3.5 or higher GPA
- Earn at least 12 Honors credit hours at Rose State College
- Earn A's or B's in all classes taken for Honors credit at RSC
- Submit a completed student profile with all Honors work to the Honors Committee

All courses successfully completed under the RSC Honors Program will have the letter grade and honors credit noted on the transcript.

Honors Coursework

HONORS CLASSES: Any course at Rose State College may serve as an Honors course. Students contract with faculty teaching the course, through an Honors Contract, to develop a unique individual and additional project related to the material in the course. The contracts are designed as extensions to the regularly planned course work and, if completed satisfactorily, will earn Honors credit for that course. In completing the contract, students meet on a scheduled basis with their faculty mentor. The contract typically includes in-depth research, expanded field or laboratory work, or other designated projects and will culminate in a research paper or another innovative output, as agreed upon between the faculty, students, and the Honors Committee.

SCHOLARSHIPS: A number of tuition waiver scholarships are available to students in the RSC Honors Program. Details of scholarships and application procedures are available at www.rose.edu/honors.

ADMISSION: Proof of academic excellence is the first step for acceptance into the Honors Program. Students will be admitted if they meet one of the following: a 3.5 cumulative GPA in high school; an ACT of 27 or equivalent score on the SAT or Next Generation ACCUPLACER; or completion of 2 RSC Honors courses with an "A" or "B." Students must apply to enter the Honors Program and may do so at the beginning of any semester. To remain in the program, students must maintain at least a 3.5 GPA.

AMERICAN COLLEGE TESTING (ACT)

National test dates for the ACT are published in advance. Test dates, registration deadlines, and late registration dates may be obtained from the National ACT website: www.act.org. Rose State College students who are unable to test on a national testing date may take the ACT Residual. Test dates may be obtained from Enrollment and Specialized Testing in the Student Services Building, Room 204. Advance registration is required. Scores from ACT Residual Tests taken at RSC will be valid only at this institution.

ENTRY-LEVEL STUDENT ASSESSMENT & PLACEMENT POLICY

Effective Academic Year 2020-21, first-time college students will be placed in coursework using the Multiple Measures system. Multiple Measures will examine unweighted high school GPA*, SAT/ACT scores*, Accuplacer scores*, and a student self-assessment of academic skills. Performance in each category will be examined and discussed to determine if a student will be placed in developmental (zero-level) coursework or college-level coursework in Reading, English, and Math subjects. If a student shows different levels of course placement when examining high school GPA versus test scores, enrollment in applicable zero-level coursework will be recommended.

**High School GPA, SAT/ACT scores, and Accuplacer scores must be less than three (3) years old to be applicable.*

Under the Multiple Measures system, if a student received a GED, graduated high school more than three (3) years ago, and/or attempted the SAT/ACT more than three (3) years ago, their placement will be determined by Accuplacer scores and a self-assessment of academic skills.

Students who do not assess at college level must enroll and successfully complete developmental coursework before enrolling in college-level courses. Students may test twice (Accuplacer) each major enrollment period.

The College has two (2) competency categories. The first is the high school curricular requirement. Students admitted to the College who are pursuing Associate in Arts or Associate in Science degrees must meet all high school curricular requirements within twenty-four (24) credit hours, or their enrollment will be limited to developmental (zero-level) courses only. (Zero-level courses are not counted in the twenty-four (24) hours.) Transfer students with deficiencies must meet all their curricular requirements within the first twenty-four (24) credit hours or their enrollment will be limited to curricular deficiency removal courses only. The second category is the performance requirement. ACT sub-scores of 19 in the four (4) subject areas of English, mathematics, sciences, and reading, are used as a "first-cut" in determining student readiness for college. An unweighted high school GPA of 3.4 or above and completion of high school Algebra II with a grade of “B” or above will also act as a “first cut” in determining college readiness. If students score below 19 in the tested discipline, have below a 3.4 unweighted high school GPA, and/or have below a “B” grade in high school Algebra II, they will be required to complete developmental courses in the determined areas of deficiency, or consistent with institution assessment policy, undergo additional testing to determine their level of readiness for college-level work (Accuplacer). Following multiple measures examination, students found under-prepared for college-level work will be required to successfully complete the appropriate developmental courses.

Students who lack two (2) performance requirements must enroll in EDUC 1103 College & Life Strategies. If a reading deficiency is present, enrollment is restricted to twelve (12) credit hours until the reading deficiency is removed. Academic advisor assisted enrollment is required and the appropriate reading course must be part of students' enrollment. Students must complete performance requirements at the earliest possible time but within the first twenty-four (24) college-level hours attempted.

Fees, Books & Refunds

Tuition & Other Fees

The tuition and other fees listed below are subject to change by the Oklahoma State Regents for Higher Education without notice. In the event a fee change is effected, enrolled students will be assessed accordingly.

Schedule of Tuition & Fees

Associate (0000-2000 level courses) Tuition, Residents	$125.95 per credit hour
Associate Tuition, Nonresidents (additional $212.55 to resident tuition)	$338.50 per credit hour
Upper Division (3000-4000 level courses) Tuition, Residents	$139.45 per credit hour
Upper Division Tuition, Nonresidents (additional $219.00 to resident tuition)	$358.45 per credit hour
Assessment Fee	$2.00 per credit hour
Audit (without credit)	Same as tuition
Community Service Program Fee clock hour or individual program cost	$2.25 per contact hour
Student Technology Services Fee	$13.50 per credit hour
Library Automation Resource Fee	$2.50 per credit hour
Student Activity Fee	$8.30 per credit hour
Student Facility Fee	$9.00 per credit hour
Cultural Fee and Recreational Service Fee	$1.25 per credit hour
Academic Records Maintenance Fee	$.50 per credit hour
Security Services Fee	$4.00 per credit hour

Schedule of Other Fees

ACT On-Campus Test	$80.00
Enrollment Fee (First-time Students)	$15.00
Computer Course Fee	$10.00 maximum per course
Course Materials and Supplies Fee	$15.00 maximum per course
Prior Learning Credit Examinations	$5.00 per credit hour
Drug and Background Check Fee	At cost
Graduation Fee	$15.00
Health Programs Liability Insurance	At cost
Health Sciences Lab Fee	$15.00 maximum per course
Physical Education Fee	$10.00 per semester
Health Program Assessment Fee**	At cost
International Student Status Maintenance Fee (Fall/Spring)	$15.00
(Summer)	$10.00
Late Registration Fee	$15.00
Non-Student Assessment Fee	$5.00 per exam
Clinical Portal Fee	$20.00 per year
Parking Fee	*$5.00 per semester
Private Applied Music Lessons	$50.00 per credit hour
Raider Course Materials	$26.50 per credit hour
Remedial Supplementary Fee	$13.00 per credit hour
Returned Check Fee	$25.00
Science Laboratories Fee	$15.00 maximum per course
Student Identification Fee	$5.00 per semester ($5.00 replacement fee)
CLEP Exam	$110.00 per exam
DSST Exam	$115.00 per exam

Off-Campus Tuition Fees

Tuition, Off-Campus	$125.95 per credit hour
Tuition, Non Resident, Off-Campus	$338.50 per credit hour
Off Campus Fee	$36.00 per credit hour
Academic Records Maintenance Fee	$ .50 per credit hour
Tuition, Tinker Air Force Base	$176.30 per credit hour

*Additional decals may be purchased for $5.00.

**This fee encompasses the predictive examinations that students take to prepare for licensure examinations in the Nursing and Respiratory Therapy programs.

Payment of Fees

Students are given a statement of account at enrollment. Students are encouraged to pay the balance in full at that time or as early as possible. Partial payments are accepted. All fees are due before the first day of class; however, students are not dropped from classes for nonpayment of fees.

Fee payments may be made at the Cashier's Office of the Business Office located in the Administration Building. Students may pay by cash, check, money order, and MasterCard, Discover, or VISA credit cards. EXCEPTION: Checks are not accepted for payment of prior debts or from a person who has written a bad check to the College.

Students may choose to pay by mail, telephone, or online to avoid long lines during peak periods. All checks and money orders should include the student's name and Student ID number for proper credit. Payments must be received in the Business Office prior to the late payment penalty dates to avoid those penalties. Payment made online or by phone must be made by credit card. Do not send cash through the mail.

Late-Payment Penalties

Late payment penalties are assessed against student accounts throughout the semester, beginning with $20, and increasing to $40, with a maximum of $60, if paid after the semester ends. The specific dates of late payment deadlines and penalties are printed in the semester schedule books on the first page of information for each session. Exception: ODVA SAA approved schools do not penalize beneficiaries for late payment to the school by the VA: https://oklahoma.gov/veterans/education/state-approving-agency/public-law-115-407.html

Settlement of Debts

The student's enrollment form is the student's bill for tuition and fees. Students can print their Student Schedule Bill for any term they are enrolled by signing into OASIS. (Self Service>Student Center under Finance Section, Click on Schedule/Bill.) Leave the term blank and click Search. (A listing of all semesters should appear for the student). Students are encouraged to verify that the Office of Admissions and Records has a correct address on file. Students who have unpaid accounts, either for current semester charges or any other debts to Rose State College, are not permitted to enroll in subsequent semesters; and no student transcripts will be released until all charges are paid in full. Refunds issued to students are reduced by any amount the student owed to the College for the current term. When a refund is issued the student should review their account to determine if any past obligations are still owed to RSC. Unpaid accounts are subject to collection activity after the end of the semester.

Charges & Cancellations For Never Attending Class

Students are financially obligated for the classes in which they have enrolled. Enrollments are not canceled for lack of payment. Effective with the Fall 2003 semester, students who enroll in classes will be responsible for the enrollment fee/tuition payment, whether they ever attend classes or not. If students officially drop the classes by the last scheduled day to drop, they will not be charged for the classes. If students do not drop classes by the specified deadline, they will be assessed 100% of the enrollment fee/tuition charges. Rose State College no longer utilizes the previously used Never Attended procedure; therefore, non-attending students who do not officially drop or withdraw from classes will receive an unsatisfactory grade (AW, F or U, depending on the class) and will be responsible for full payment of the charges-plus any late payment penalties incurred. If students do not attend during the drop/add period of the session, financial aid will be cancelled.

Fee Refund/Credit Policies

Students who enroll in classes and decide not to attend must withdraw from those classes immediately to release space for other students who are registering. The amount of refund due or credit applied to the student is determined by the following policies. These policies are applicable to tuition and other fees charged for Rose State College classes.

1. Eligibility: To be eligible for a refund or credit, a student must officially withdraw from classes during a refund period by submitting the appropriate form ("Drop/Add" or "Complete Withdrawal"). Neither refunds nor credits are given to students who stop attending class and do not process the appropriate forms.
2. Oklahoma State Regents for Higher Education Refund Policy: The refund policy with respect to tuition and other fees collected from students at institutions shall be as follows: Changes in schedules during the defined drop/add period will result in full charges for courses added and full credit for courses dropped. No refunds will be made after the drop/add period for that session. Deadlines for dropping and adding courses are printed in the semester schedule books in the "Calendar" section. Drops and adds are processed on the same form.

DEBTS TO COLLEGE: Refunds issued to students are reduced by any amount the student owed to the College for the current term. When a refund is issued, students should review their account to determine if any past obligations are still owed to the College.

DISBURSEMENT OF REFUND: Processing of refunds often requires as long as 45 days. Refunds are distributed through the RSC/Bank Mobile debit card.

Campus Security

In order to maintain a safe and secure educational environment, Rose State College uses a combination of experienced, CLEET-certified security personnel and officers from the Midwest City Police Department.

The campus security team conducts regular patrols of the campus buildings, lots, and walkways and maintains a 24-hour watch over the 170 surveillance cameras on campus. They also provide additional services such as security escorts, jump-starting a dead battery, and limited assistance in changing a flat tire with an available spare.

The MWCPD officers operate in a part-time status to provide armed law enforcement services on campus. MWCPD officers have full law enforcement authority as authorized by the State of Oklahoma and have the authority to conduct investigations into criminal activity and egregious violations of College policy involving students, faculty, or staff.

The campus security team and MWCPD officers operate out of the Susan Loveless Center in room 109. They can be reached 24 hours a day at (405) 733-7313 – if there is an immediate emergency, **please dial 911**.

Nonresidents of Oklahoma Registration of Motor Vehicles

Students certified as a full-time equivalent students by an institution of higher learning in Oklahoma, who are nonresidents of Oklahoma but are currently attending any institution of higher learning, shall not be required to purchase an Oklahoma automobile or motorcycle license plate, provided that the state, federal district, territory, or possession of the United States of which the student is a resident affords a similar exemption to Oklahoma students attending institutions of higher learning in such state, federal district, territory, or possession of the United States. This exception for nonresident students does not apply when such student registers to vote as a resident in Oklahoma. Title 47, Section 22.12(B) of the Oklahoma Statutes.

Parking

Students who enroll at Rose State College have parking privileges on campus. Those who wish to park on campus are required to register their vehicle with College officials and properly display a parking permit. This permit may be obtained during registration from the Student Services Building, Room 100.

Student parking areas can be identified by white parking lines. Staff and faculty parking can be identified by yellow parking lines while visitor parking is marked by green parking lines. Traffic and parking regulations, including fines, are set forth in the Student Handbook. Students will be required to park in student parking areas and observe safe driving practices on and around campus.

Rose State College Bookstore

Located in Room 163 of the Rose State College Student Union, the bookstore is managed by the Follett Higher Education group. The facility is open Monday through Friday, 8 a.m.–5 p.m., as well as additional hours prior to the beginning of each semester. Follett bookstore policies and procedures apply. Advanced pre-paid textbook reservations may be made prior to the beginning of each semester by coming to the bookstore and completing a Pre-Paid Textbook Form. These orders are filled immediately upon arrival of the books and either shipped to the student upon request or held for pick up in the store. Books may also be ordered online at www.RoseStateShop.com. For more information, call (405) 733-7436.

Textbooks, laboratory manuals and other required class materials are available, as well as all necessary academic supplies. In addition, the bookstore carries a selection of Rose State College logo memorabilia, including clothing, cups, mugs, pens, pencils, and notebooks.

Instructional Materials Policy

In compliance with Oklahoma State Statute (70 O.S., Section 3218.8); the following policies for all Rose State College Academic Programs are proposed:
RSC and its on-campus Bookstore, contractually operated by “Follett,” is committed to providing comprehensive cost information for instructional material required for any course. The Bookstore shall provide students with the option of

purchasing instructional materials that are unbundled when possible, and disclose to faculty and staff the costs to students of purchasing instructional materials. In addition, the Bookstore will actively promote and publicize book buy-back programs. Instructional faculty should seek to ensure their students with access to the most economical and efficient process for obtaining the very best instructional materials. Faculty shall allow students to use the most recent prior edition of a required textbook unless the faculty member specifically states in the course syllabus that the newest edition of the required textbook is necessary. Faculty are encouraged to use other good practices to keep instructional costs including having electronic reserves in the library when feasible and possible, being careful to require only those materials that will actually be extensively used during the course of the semester or term, and learning about and utilizing other emerging technology tools or resources in their courses.

According to the RSC contract with Follett, in operating the RSC Bookstore, Follett will charge industry standard, competitive, and fair prices. On new textbooks and trade books, Follett will provide a price at not more than the publisher's list price, or a 25% gross margin (cost divided by .75, inclusive of restocking fees and return penalties) plus a freight pass-through. On e-books, e-coursepacks, coursepacks, text "packages," "kits," "sets," and "bundles," and non-returnable and return-restricted texts, not more than a 30% gross margin (cost divided by 0.70, inclusive of restocking fees and return penalties) plus a freight pass-through. On used books, including cloth, paperback and others, not more than 75% of the new textbook selling prices.

Rose State College Bookstore Purchase & Return Policies

(Cash Register Receipts Required for All Refunds)

It is students' responsibility to confirm the correct textbook issued, and students are strongly urged to use their enrollment printouts when purchasing textbooks.

In addition, upon proof of drop/add, Follett will accept textbook returns from students who have dropped a course up to 30 days from the start of classes or until the end of the official drop/add period, whichever comes first.

Students can use Apple Pay, Samsung Pay, MasterCard, VISA, Discover, or American Express credit cards and/or debit cards by presenting their RSC student ID, driver's license, or military ID.

Students will need their RSC student ID to be able to access their financial aid.

Web purchases are subject to the same policies and rules as on-campus sales. Returns must arrive at the Bookstore within the same time limit, under the same conditions, and in the same condition as when it was purchased. A copy of the RSC Bookstore receipt (enclosed paperwork) must accompany the return.

General Bookstore Return Policies

ONLINE RETURN POLICY: A valid receipt or packing slip is required for all refunds or exchanges. Shipping and handling fees are not refundable.

COURSE MATERIALS (textbooks):

- A full refund will be given for Course Materials returned prior to your campus specific refund deadline*.
- Course Materials purchased after the campus specific deadline must be returned within 7 business days of purchase for a full refund.
- Course Materials purchased during the last week of classes or final exams are not refundable.
- Brytewave Digital Textbooks must be returned within 14 days of purchase for a full refund.

*Contact your campus bookstore for specific refund deadline

HARDWARE & SOFTWARE: Unopened computer hardware and software must be returned within 14 days of purchase for a full refund.

ALL OTHER MERCHANDISE: All other merchandise unopened and in original condition returned within 30 days of purchase may be exchanged or refunded to the original form of tender.

TWO WAYS TO RETURN FOR REFUND:

1. Bring your receipt and items with you when you visit your bookstore.
2. Return by mail.

HOW TO RETURN BY MAIL:

- Package your items securely.
- Please include a copy of your confirmation email or order details with your return. If you do not have this information, simply include a note with your name, email address, phone number, and order number. Refunds may be delayed if the return cannot be identified.
- Return shipping is at your expense. The campus store is not liable for lost or damaged packages. Please use a traceable, insured method of shipping when returning your item(s).
- Retain your tracking information and shipping receipt until your refund is issued.

Textbook Buy-Back

The Rose State College Bookstore and Follett purchase used textbooks year-round. We will purchase used textbooks adopted for the next academic term, in quantities sufficient to meet the needs of the Bookstore, at not less than 50% of the customer's purchase price. Textbooks not adopted for the next academic term or in excess of the needs of the Bookstore will be purchased at nationally set wholesale prices.

Student Identification (ID) Card

The student identification card carries with it such privileges as use of Rose State College facilities, serves as identification for Academic Testing in the Learning Resource Center, reduced or free admission to many College events, drama and music productions, movies, campus dances, and athletic events. It also serves as a library card, an ID for financial aid, for the Wellness Center, and to write personal checks in the Bookstore. To obtain a Student ID card, or replace a stole or lost card, students must present current enrollment and an official form of government issued photo identification in the Student Services Building, Room 100.

Financial Assistance

The Rose State College Financial Aid Office helps students to secure financial assistance to meet the cost of a higher education. The approval and disbursement of student financial aid funds is based on student eligibility, satisfactory progress, completion of all parts of the application process, and enrollment in an eligible program. Also, funding is contingent upon the allocation of both federal and state resources to the College.

Financial assistance at this institution falls into one of 5 categories: scholarships, grants, waivers, loans, and/or employment. **Scholarships** are awarded to students through competitive processes and/or by application. Most types of **Grants,** unlike loans, are sources of free money that generally do not have to be repaid. **Waivers** are the cancellation of a debt. **Loans** are borrowed funds that have to be repaid according to the terms of a promissory agreement and with interest. **Employment** offers the student the opportunity to work and earn money to meet the cost of education.

Scholarships/Waivers

Along with Rose State College's support, RSC Foundation donors currently support more than 400 student scholarships each semester. These scholarships include those associated with the RSC Leadership Scholarship Program as well as many division specific, military, and general scholarships. RSC has many donors who support these scholarships. Students can browse through these lists and will find descriptions to help them see how RSC supports and generous donations to the Foundation are making a difference. Additional opportunities are also described.

- Leadership Scholarships
- Division-Specific Scholarships
- Tuition Waiver Scholarships
- Military Dependent/Adult Civilian Scholarships
- Athletic, Concurrent and Other Scholarships
- Third-Party Scholarships
- Ticket to Rose

The General Scholarship Application will be open January-December, although students are encouraged to complete the application at their earliest convenience in order to have priority consideration.

Visit www.rose.edu/scholarships to find out more about all of these scholarship opportunities and waivers along with their priority deadlines.

Native American Student Services

The Financial Aid Office functions as a liaison for Native American students and various tribal governments and/or Bureau of Indian Affairs (B.I.A.) agencies. Students must complete an application for Federal Financial Aid Title IV programs (FAFSA), as well as a tribal application. The Financial Aid staff coordinate activities with other campus offices to facilitate processing for those eligible for Native American assistance.

Federal & State Financial Aid

All students applying for federal assistance and the Oklahoma Tuition Aid Grant must complete the Free Application for Federal Student Aid (FAFSA), available online at fafsa.gov. A summary of federal programs can be found at studentaid.gov. This site is maintained by the U.S. Department of Education.

Federal Pell Grant: The Federal Pell Grant is the principal grant program provided by the federal government. To receive a Federal Pell Grant, students must have been determined eligible by the U.S. Department of Education's central application processor. Applicants must be undergraduates, U.S. citizens, and degree-seeking students enrolled in an eligible program. Also, if selected for verification, students must have completed the verification process to the satisfaction of the institution. In general, students must be enrolled in at least 3 credit hours to receive funding from this program.

Federal Supplemental Educational Opportunity Grant (SEOG): The federal government provides RSC with a limited amount of supplemental funds to award as grants. The funds are limited and are awarded to the neediest students on a first-come, first-served basis. To receive funding from this program, students must be U.S. citizens or eligible non-citizens enrolled as degree-seeking students in an eligible program.

Oklahoma Tuition Aid Grant (OTAG): The State of Oklahoma sponsors the Oklahoma Tuition Aid Grant Program, a need-based grant program for Oklahoma residents enrolled at higher education institutions. Grant amounts vary based on state funding and tuition and fees. To qualify, students must be enrolled as at least half-time students in an eligible degree

program. Application for the OTAG Program is made by completing the FAFSA. The deadline is published each year on the FAFSA application.

William D. Ford Federal Direct (Direct Loan) Program (Subsidized and Unsubsidized): The Direct Loan Program provides eligible students an opportunity to borrow money from the federal government to meet the cost of higher education. The U.S. Department of Education is the lender. Through the subsidized program, students demonstrate need, and the interest is paid by the government while students are enrolled in at least 6 credit hours. Through the unsubsidized program, students are responsible for the interest and does not have to demonstrate need.

To receive a student loan, students must be enrolled in at least 6 credit hours as degree-seeking students in an eligible program.

Student loan repayments normally begin 6 months after a student ceases to be enrolled half-time. However, borrowers through the unsubsidized program begin repayment on interest charges 60 days after the receipt of funds. If borrower defaults on their obligations, the federal government will act to collect the loan. The loan, repayment activity, and any default become part of students' credit record.

The federal government allows students a variety of deferment options. Information regarding loan deferments may be obtained from the Financial Aid Office or online at studentaid.gov. As borrowers, students have the responsibility to inform the government when they move, change institutions, graduate, cease half-time enrollment, or become eligible for a deferment.

The amount of a student loan is based on federal loan limits, and the amount of need is determined by the federal processor's calculations.

Federal Direct Parent Loan (PLUS): Direct PLUS Loans are for parents who wish to borrow money to help meet the cost of their children's higher education. The Direct PLUS loan accrues interest while students are in school. Repayment generally begins within 60 days of disbursement of funds. Student eligibility for other aid programs must be determined through the FAFSA process before a Direct PLUS loan may be certified. The online PLUS application is available at studentaid.gov.

Work Programs

The Federal Work-Study Program provides employment opportunities for students who need financial aid to meet the cost of a higher education. To qualify, students must be enrolled at least half-time and be enrolled in an eligible degree program. Students must have completed the FAFSA process and been determined eligible for this need-based work program. Information regarding the Federal Work-Study Program is available in the Financial Aid Office and the Career Services Office.

General Requirements for Federal Assistance

To receive financial aid, students must meet ALL of the following requirements:

- Be U.S. citizens or eligible noncitizens.
- Demonstrate financial need, except for some loan programs.
- Have a high school diploma, GED certificate, or homeschool diploma.
- Be enrolled or accepted for enrollment as a regular student working on a degree or certificate program.
- Must not be in default or owe a repayment to any federal program.
- Meet Satisfactory Academic Progress Policy requirements.
- Comply with the Selective Service Registration requirements.
- Respond promptly to information requests from the Rose State College Financial Aid Office.

Academic Progress Policy

Federal law requires that the College implement an Academic Progress Policy to measure the performance of financial aid recipients. The College's Academic Progress Policy applies to all federal programs, the Oklahoma Tuition Aid Grant Program, Oklahoma's Promise, and most Rose State College scholarship programs. In general, students must successfully complete the required percentage of attempted classes and maintain the required GPA, as stated in the policy. The policy is available at www.rose.edu/financial-aid and in the Financial Aid Office.

Federal law requires that students complete their studies in a timely manner. The law requires that a policy provide a maximum time frame for the completion of a degree program. The maximum time frame is reached when the student's attempted hours exceed 150% of the number of hours required to earn the degree. The credit hour limit includes all coursework, even if financial aid was not received for the courses.

Students who exceed the 150% maximum time frame limit but wish to continue to receive financial assistance may submit (a) a detailed statement which provides a clear graduation plan with objectives, and (b) a summary of coursework remaining in the program with verification from the Graduation Services Office.

Federal Financial Aid Application

Students are encouraged to apply for financial aid as early as possible. The applicant begins the process by completion of the Free Application for Federal Student Aid (FAFSA). The FAFSA can be completed online at fafsa.gov. The student should identify Rose State College as a school selection; otherwise, the College will not receive the student's information. The Rose State College school code is 009185.

Once a federal processor has completed calculations, the College will automatically receive the student's data if the student has identified Rose State College as an institution of choice. When the College receives this data, the Financial Aid Office will notify the student regarding necessary steps in the application process. It is important that the student respond in a timely manner since a review for possible funding will not occur until the student has completed the application with all required documentation. Should application data be incorrect, corrections will have to be made and will delay processing.

In general, students should have completed their application by June 1 for the Fall semester, by October 1 for the Spring semester, and by March 1 for the Summer term. Applications submitted later are generally acceptable, but funding may not be available when coursework begins. In all cases, the file must be completed by the last day of attendance.

If students have been awarded assistance through a Federal Pell Grant or the Federal SEOG Program, arrangements are made to pay tuition and other fees from the grant funds. If students have sufficient remaining funds after other College obligations are met, a book charge may be allowed. However, no cash disbursements of grant funds will occur until after the 100% refund period for the semester.

Students may be asked to submit a tax return transcript from the IRS or other documents to verify information reported on the application. For the dependent student, this information may include parental income records. For the independent student, this information may include spousal income records. In all cases, the student must provide clear and comprehensive information regarding income and household. If requested documentation is not provided or should there be unresolved and conflicting information, the application will not be funded. Information is available from the Financial Aid Office in Room 200 of the Student Services Building.

Related Financial Aid Policies

Students have the obligation to make satisfactory academic progress. Funding will be terminated for students not making adequate progress. Financial aid is not automatically renewed each year; students must reapply. Applications for the upcoming academic year are available after October 1 of each year.

Students should notify the Financial Aid Office of changes in marital status, enrollment level, or legal name. In all cases, financial aid recipients' enrollment records must reflect their legal name as recorded with the Social Security Administration. Exceptions to this rule are not permitted.

Grant funds are not disbursed until after the refund period of the semester or term. Since the College has several terms, including 8-week terms within a semester, funds will not be disbursed until a student actually begins class attendance.

Withdrawal and Return to Title IV Funds (R2T4) Policy

How a Withdrawal Affects Financial Aid Pell Grant: The Title IV (TIV) (federal) financial aid funds are awarded under the assumption that students will remain in classroom attendance for the entire period (semester) for which the funds were awarded.

When students withdraw from all courses, regardless of the reason, they may no longer be eligible for the full amount of TIV funds originally awarded. The return of funds to the federal government is based on the premise that students earn financial aid in proportion to the length of time during which they remain enrolled. A pro-rated schedule determines the amount of federal student aid funds they will have earned at the time of full withdrawal. For example, students who withdraw in the 2nd week of the semester have earned less of their financial aid than students who withdraw in the 5th week. Once the 60% point in the semester is reached, students are considered to have earned all of the financial aid originally awarded and will not be required to return any funds.

Federal regulations require a recalculation of financial aid eligibility if students:

- Completely withdraw;
- Stop attending before the semester’s end; or
- Do not complete all modules (mini-sessions) in which they are enrolled as of the start date of the mini-session.

RSC students who receive federal financial aid and who do not remain in attendance through the end of the semester could be responsible for repaying a portion of the financial aid originally received.

Students who do not begin attendance in classes are not eligible for federal financial aid and must repay all aid originally received.

NOTE: RSC's institutional tuition refund policy is separate from federal regulations to return unearned aid. Receiving a tuition/fee refund from RSC will have no impact on the amount students must repay to the federal aid programs.

How Earned Financial Aid is Calculated: Financial aid recipients "earn" the aid they originally received by remaining in classes. The amount of federal assistance earned is based on a pro-rated system. Students who withdraw or do not complete all classes in which they were enrolled may be required to return some of the aid originally awarded.

RSC is required to determine the percentage of TIV aid "earned" by students and return the "unearned" portion to the appropriate federal aid programs. RSC is required to perform this calculation within 30 days of the date the school determines that a student has completely withdrawn. The school must return the funds within 45 days of the calculation. The R2T4 calculation is completed by the Financial Aid Office.

The following explains the formula used to determine the percentage of unearned aid to be returned to the federal government:

- The percent earned is equal to the number of calendar days completed up to the withdrawal date divided by the total number of calendar days in the payment period.
- The payment period for most students is the full, 16-week fall and spring semesters or the full, 8-week summer semester. However, for students enrolled in modules (mini-sessions), the payment period only includes those days for the module in which students are enrolled.
- The percent unearned is equal to 100 percent less the percent earned.
- Breaks of 5 days or longer are not included in the count of total days in the payment period.

Institutional scholarship funds, Oklahoma Tuition Aid Grant (OTAG) and Oklahoma's Promise are not subject to the R2T4 policy.

For Students Enrolled in Modules: Students are considered withdrawn if they do not complete all of the days in the payment period that they were scheduled to complete. RSC tracks enrollment in each module that doesn't span the entire 8-week summer or 16-week fall or spring semesters, and combines them to form a semester. If a student withdraws from a course in a later module while still attending a current module, they are not considered as withdrawn based on not attending the later module. However, a recalculation of aid based on the change in enrollment status may be required.

R2T4 Process

- The Financial Aid Office is notified of the withdrawal. The withdrawal date is determined by the Financial Aid Office. The withdrawal date could be the date of withdrawal or students' last date of attendance.
- The Financial Aid Office determines the amount of TIV aid originally awarded and whether it is "disbursed" or "could have been disbursed."
- The Business Office provides the students' original tuition and fee and bookstore charges.
- An R2T4 worksheet is completed using the above data.
- The Financial Aid Office will post the recalculated amount of aid for which students are eligible (as per the results of the R2T4 worksheet) to their student account.
- RSC will return funds to the federal programs on students' behalf and will bill students.
- In the instances in which students owe a federal grant repayment in addition to what RSC has returned to the federal programs, they are notified in writing and the amount is reported by the Financial Aid Office as an overpayment.
- Students are responsible for all RSC charges and federal overpayments resulting from an R2T4 calculation.

Post-Withdrawal Disbursement of Loan Proceeds: When the R2T4 calculation results in students' being eligible to receive either Federal Direct Stafford Subsidized or Unsubsidized Loan proceeds, they will be contacted via e-mail and U.S. Mail by the Financial Aid Office. Written authorization from students will be requested and is required before loan proceeds can be processed and awarded to them.

Post-Withdrawal Disbursement of Federal Pell Grant Proceeds: When the R2T4 calculation results in students' being eligible to receive Federal Pell Grant proceeds, the eligible funds will be applied to the students account to pay for current allowable charges.

Determination of Withdrawal Date: The withdrawal date used in the R2T4 calculation is the actual last date of attendance as provided by the professors or the date the withdrawal process was started.

Withdrawing Prior to the 60% Point of a Payment Period: Unless and until students complete 60% of the term in which financial aid was awarded, they will be required to return all or part of the financial aid originally awarded for the term.

When Students Fail to Begin Attendance: If financial aid is processed for students who never begin attendance in any class for which they registered in a term, all aid will be canceled. The professor reports a grade of AW after the census date of the payment period. Financial aid originally awarded is canceled for students who failed to begin attendance in all classes in which they were originally enrolled and is adjusted for those who fail to begin attendance in a portion of the classes in which they were originally enrolled.

When Students Fail All Classes: If financial aid recipients who have not officially withdrawn fail to receive a passing grade in at least one class during the term, the Financial Aid Office will determine whether they actually established eligibility for the aid originally awarded. It is assumed that students completed 50% of the semester unless they provide documentation to the Financial Aid Office from their professor indicating a later last date of attendance. If students did not begin attendance, or stopped attending during the payment period, the financial aid originally awarded will be canceled or adjusted.

Order of Return to Federal Aid Programs: In accordance with federal regulations, unearned aid will be returned to the federal programs in the following order:

- Federal Direct Loans: Unsubsidized, then Subsidized
- Federal Direct Parent Loans
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant

Information Regarding Loan Repayment: The R2T4 calculation may result in students and parents being responsible for directly returning additional loan amounts to the U.S. Department of Education. The loan grace period begins on the withdrawal date from the school, or when students cease to be enrolled on at least a half-time basis. If students do not re-enroll as a half-time students within 6 months of withdrawal or less than half-time enrollment, the loans enter repayment. Students should contact the loan servicer or the U.S. Department of Education to make repayment arrangements. The promissory note signed by the borrower outlines repayment obligations. Students should contact the servicer or the U.S. Department of Education with any questions.

Consequences of Non-Repayment: Students who owe the U.S. Department of Education for an overpayment of TIV funds are not eligible for any additional federal financial aid until the overpayment is paid in full or payment arrangements are made with the U.S. Department of Education. Students who owe RSC because of an R2T4 calculation will be placed on a financial hold. They will not be allowed to register for subsequent semesters or receive academic transcripts until the balance is paid.

How a Withdrawal Affects Future Financial Aid Eligibility: Refer to the Financial Aid Office Satisfactory Academic Progress Policy to determine how a withdrawal impacts aid eligibility.

NOTE: This policy is subject to revision without notice based on changes to federal laws and regulations or RSC policies. If changes are made, students are held to the most current policy. This statement is intended to provide an overview of policies and procedures related to a complicated and very encompassing regulation. Additional information is available in the Financial Aid Office.

Drug-Free Campus Policy

Rose State College is a drug-free campus, and this policy applies to all students, faculty, and staff. Details of this policy as it applies to students can be located in the Rose State College Student Handbook, published annually by Student Affairs. A copy of the Student Handbook is maintained by Student Affairs. Details of this policy as it applies to faculty and staff can be found in the Policies and Procedures Manual. A copy of the Policies and Procedures Manual is maintained by Human Resources.

Disclosure of Information

Student records are protected by the Family Educational Rights and Privacy Act of 1974. In general, records are not released to any third party without the student's written authorization or appropriate legal authorization from a court of jurisdiction. For more information, consult the College website: www.rose.edu

Student Conduct

Issues regarding student conduct and student rights and responsibilities are discussed in the Rose State College Student Handbook. The Student Handbook is published annually by Student Affairs and contains the Student Code of Conduct and the Sexual Misconduct, Sex Discrimination, and Unlawful Harassment policy for students. The Student Handbook can be viewed at www.rose.edu. For questions regarding student conduct, please contact the Director of Service Learning & Student Conduct at (405) 736-0355.

Services for Students

Academic Advisement

At Rose State College, academic advisors are prepared to assist students in clarifying basic values, attitudes, interests, and abilities; in connecting students with campus support resources. Academic advisors are available in the Student Services Building to assist first-time college students and students who are undecided majors. Students with prior college credit and a decided major are encouraged to meet with an academic advisor in the appropriate division for course selection and sequencing.

Student Success Center

Designed to support students' academic advancement and personal development, the Student Success Center connects students with campus resources. Created in association with the national Achieving the Dream initiative, the Student Success Center helps to guide students in their quest to connect with campus services, as well as acquire skills needed for academic success. The Student Success Center is located in the Campus Resource Center, and is open to all students. Services provided include:

Student Success Workshops

A series of workshops designed to provide students and community members with opportunities to learn and practice skills associated with academic and professional success. Sessions are provided that focus on: Financial Literacy, Time Management, Test Taking Strategies, Test Anxiety, Learning Styles, Math Anxiety, and other topics.

Advising

The Student Success Center serves as the primary academic advisor office for RSC athletes as well as an additional avenue through which students may seek advice regarding their academic progress. Students may make an appointment to discuss their academic concerns, programs, and courses with a member of the Student Success Center staff.

Academic Success Plans

Goal setting is a critical component to academic success. Completing an Academic Success plan provides students with clear guidance regarding what is expected of them in order to meet the requirements of their academic major or certificate program. Students may set up individual appointments to discuss their academic goals, various majors, or other academic concerns and then create a personalized plan to succeed in meeting these goals.

Campus Resource Center

The Campus Resource Center intentionally works to foster student success, institutional equity and diversity by creating educational opportunities, raising awareness and providing strategies and tools to bring to life the vision of inclusive excellence, both on our campus and in our community. The Center houses the Raider Necessities and Raider Rack which provide nutritious food, toiletry items and business professional clothing to students, faculty and staff in need. If you need assistance please call 405-736-0285. The Early-Alert System is designed to promote student success through early identification of students in need of guidance and assistance. When a faculty member notifies the Student Success Office of a concern regarding a student, an attempt is made to contact and connect the students with beneficial support services. For additional information, or to schedule an appointment call (405) 733-7334. The Campus Resource Center is located in the Campus Resource Center building.

TRIO Student Support Services

The Rose State College TRIO Student Support Services program is designed to provide an array of supportive services to 144 eligible participants. Services include transfer assistance, campus visits, tutoring, academic mentoring, cultural events, academic resource library, academic advising, academic and life skills workshops, career counseling, library orientations, and community service referrals. The purpose of the program is to ensure that participants persist in college and earn an associate degree or certificate and then transfer to a 4-year university to earn a bachelor's degree. Students are accepted by application and must meet eligibility requirements. Additional information can be found online at www.rose.edu/student-support-services, by calling (405) 733-7379, or by visiting the TRIO Student Support Services Office in the Student Services Building, Room 209.

TRIO Talent Search

The TRIO Talent Search program serves 500 middle and high school students from the Mid-Del area to provide mentoring and support to help students prepare to enter higher education and earn a college degree. Students in the program receive

tutoring, visit college campuses, learn about scholarships and financial aid, and receive assistance in completing college applications. For more information, visit rose.edu/talentsearch, contact the TRIO Talent Search office at (405) 736-0377 or visit the Talent Search office in the Student Services Building, Room 100U.

New Student Orientation/Raider Takeoff

Rose State College offers a comprehensive orientation program for new students called Raider Takeoff. Scheduled during the week prior to the start of the fall academic semester, Raider Takeoff provides students and their families the opportunity to become familiar with the Rose State College campus. The event covers topics ranging from college expectations, personal and career development skills, as well as campus resources available for academic, social, and emotional success. To best accommodate the needs of our students, there will be a more condensed version of the orientation offered in the evening called Raider Takeoff @ Nite, as well as a virtual option. For more information on these free events, contact the Office of Student Engagement at (405) 733-7372.

Residence Life

The Village @ Rose State is the inclusion of on-campus student housing to RSC and brings the complete college experience to Rose State College students. The Village reinforces the College's mission in support of academic excellence and campus life involvement through student engagement in the areas of: academic success; student activities; leadership programs; varsity athletics; student life; and intramural sports.

The Village is managed by Residence Life staff at RSC and serves as on-campus apartment-style living for 294 students. Student Housing requires that all residents must be enrolled in a minimum of part-time (9 credit hours) as defined by Federal Financial Aid policy and maintain good academic standing with the College. Preference will be given to students who are enrolled full time (12 or more credit hours) as defined by Federal Financial Aid policy.

The Village at Rose State will be comprised of 5 floor plans to include 3-bedroom pods that house 6 residents, 3-bedroom pods that house 3 residents, 2-bedroom pods that house 4 residents, 4-bedroom apartments that house 4-residents, and 2-bedroom apartments that house 2 residents. Each unit will have access to amenities such as: furnished unit; proximity to campus; paid utilities, kitchen (with stove and oven), 24-hour Campus Security, live-on campus staff, gated community, Wi-Fi, Clubhouse, sand volleyball court, outdoor gazebo with fire pits, weekly evening programming, table tennis, community safe room, pool table, TV lounge, laundry facilities, and unlimited laundry.

For more information, or for an application to reside in The Village, visit the website at www.rose.edu/housing, or contact Residence Life staff at (405) 733-7490 or ResidenceLife@rose.edu. For policies and procedures regarding The Village, see the Student Housing Contract and The Community Living and Standards Handbook for the Village @ Rose State: www.rose.edu/housing.

Veterans Education Benefits

Rose State College is approved to train students under all chapters of GI Bill® benefits including Veteran Readiness & Employment (VR&E) and the Post 9/11 GI Bill® benefits. The RSC Veteran Student Services Office, located in the Student Services Building, Room 107, provides information and assistance in the proper completion of all forms. When all required forms and documents have been submitted to the RSC Veteran Student Service Office, students eligible for VA education benefits will be certified to the VA promptly. Students must request certification for every semester in which they enroll and want to receive their VA education benefits.

VA benefits-eligible students are encouraged to use other campus services and programs including advisement, outreach, tutoring, career and job placement, and Veterans Administration paid work-study. Students may contact the RSC Veteran Student Services Office in person, by phone (405) 733-7326, or by e-mail at RoseStateVSS@rose.edu, or visit the website: https://www.rose.edu/content/academics/student-services/veteran-student-services/

Students should go to the GI Bill® website (www.gibill.va.gov) to research what benefit they may be eligible to receive and which benefit is their best option if they are eligible for more than one chapter of benefits, or to find in-depth information about the various chapters.

To directly contact the VA Regional Processing Office in Muskogee, OK, call (888)-GIBILL1 with questions concerning VA education benefits, or (800) 827-1000 with questions pertaining to all other veterans benefits.

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

More information about education benefits offered by VA is available at the official U.S. government Web site: www.benefits.va.gov/gibill

Student Accessibility Services

Rose State College and Student Access Services (SAS)–formerly Disability Services for Students–take great pride in promoting the development of students and the personal independence necessary to succeed academically and beyond. SAS provides services to students who have permanent or temporary disabilities, including students with physical or learning disabilities and students with health issues (mental or physical) which impact their Rose State experience. We seek to create a welcoming, universally accessible environment where **all** students are able to participate in myriad aspects of the Rose State experience.

Students have the right (and responsibility) to self-disclose and make use of the services available. To begin this process, students are encouraged to contact SAS to discuss what services, resources, and accommodations exist. The choice–to use or not–is yours. Make an informed choice.

The Coordinator is available in the Student Access Services office in Learning Resource Center (LRC) Room 106, or by calling (405) 733-7373, ext. 711 (Relay).

We invite you to connect with us to learn about the options available. If at any time you cannot access forms or pages on the RSC site and need to request an accessible format, please email StudentAccessServices@rose.edu for assistance.

Personal Counseling Services

The goals of counseling services are to help students achieve their educational goals, learn the process of problem-solving and decision-making, and develop the capacity for a satisfying educational experience at the College. Counseling is a confidential, free service on campus where students can talk with a licensed counselor if they are feeling depressed, lonely, confused, upset, or just plain stressed. Referrals to outside services are provided when necessary. Appointments can be made by calling (405) 733-7373, emailing counselingservices@rose.edu or visiting The Counseling Center in the Learning Resources Center, Room 106.

Learning Resources Center (LRC)

The LRC is home to a variety of academic services and resources consisting of the **Library**, **Academic Testing**, **Tutoring Center**, **eLearning**, and **Academic Outreach**. Study and seating areas are dispersed throughout the building. Designated rooms in the LRC may be reserved based upon academic priorities of the building. Only students may reserve individual and group study rooms within the Library. Room availability may be viewed online, and booking requests may be submitted through the LRC Facilities page on the College website. For service hours and a building map, visit us online at http://lrc.rose.edu or call (405) 733-7370.

Building visitors must follow all College policies while using the LRC. Disregarding these, including unauthorized removal or attempted removal of Library materials will be reported to Campus Security and/or the Coordinator of Student Conduct. Note that for safety reasons, children must be supervised by an adult at all times. Staff members cannot assist with supervision of children because of the support duties related to their positions.

The **Library** maintains a collection of print and nonprint items, including magazines, newspapers, full-text databases, and ebooks. Most library services are available online. Students may ask research questions at the Reference Desk. Librarians conduct library orientations and information literacy training to support students and professors throughout the semester. Many textbooks used in our College classes are available at the Circulation Desk and may be used on premises for a 2-hour checkout with a valid Student ID card and a government-issued photo ID card. Computers in an open computer lab are available to all students with a valid network account. Computers in the open computer lab provide access to the Internet and are configured with Microsoft Office® software. Special, discipline-specific software and hardware is available on a limited number of computers. In addition, students may print a limited number of pages daily from a lab computer.

Academic Testing administers tests and advanced standing exams. No appointment is necessary; however, if a private testing room is needed, an appointment is recommended to ensure availability. Students should be prepared to present a valid RSC Student ID. Exams may not be started within one hour of closing, and all tests must be submitted 15 minutes before closing regardless of how much time the professor has allotted for test completion. No children, food, drinks, or smart devices are not allowed.

Free tutoring is available in the **Tutoring Center** for many general-education courses (subject to tutor availability) to all Rose State College students by appointment and on a drop-in basis. See the website for details on making appointments.

The Tutoring Center is a quiet space where students can study. Computers and calculators are available in the Tutoring Center for students to work on class assignments. As this is a study environment, we ask that you refrain from loud or prolonged visiting. The tutors are friendly, knowledgeable and available to help students as needed. Students that need in-depth help can schedule a longer session with an available tutor immediately. Keep in mind that tutoring is not a

replacement for prerequisite coursework. Drop-in tutoring is not available between semesters. Students have 24/7 access to online tutoring through our partnership with Tutor.com.

eLearning provides instructional design and academic technology support to faculty. This support includes consulting, training, and other assistance as needed. eLearning also administrates and supports the online learning platform used in both online and on-campus classes.

Academic Outreach serves high school students at area high schools, incarcerated students at state correctional centers, students on Tinker Air Force Base, and Adult degree completion students. Academic Outreach provides pre-enrollment advising, assists with admissions and enrollment, coordinates course scheduling between constituent sites and the College, tracks academic progress of students, facilitates communication between all academic stakeholders, and coordinates technical support when necessary. Academic Outreach also operates and supports the campus cable system.

Student Engagement

Campus engagement is an important part of the educational experience at Rose State College. Every attempt is made to provide all students with a variety of activities to complement their academic program and enhance their connectivity to campus. Leadership speakers, Student Senate, on-campus housing, musical programs, clubs/organizations, intramural sports, community service, college committee membership, and numerous other cultural and social events provide students with many diverse opportunities to enhance their experience.

Student Publications

The purpose of the Rose State Media Group is to publish news, information, entertainment, and editorial opinions for the benefit of the student body and the College community; to provide journalism training and experience for students and a laboratory for journalism classes; to provide a forum for free expression, interchange of ideas, and exhibition of literary and artistic talents among students; and to provide a forum for exchange of ideas among students, faculty, administrators, and individuals within the community. Rose State Media Group includes the student newspaper, the 15th Street News; student magazine, The 6420; and student podcasts, RoseRadio, which are available on SoundCloud. These student publications are published several times during the semester and distributed without charge on newsstands across campus and in the community.

Student Government

The opportunity for self-government is extended to students by the Board of Regents to further those activities which stimulate the intellectual, physical, social, political, and moral life of the campus. The governing student organization on campus is the Student Senate with duly elected representatives. Meetings are held each Tuesday and are open to all students. Information concerning duties and responsibilities of the Senate may be found in the Student Handbook. Contact the Office of Student Engagement located in the Student Union Room 118 or call (405) 733-7372 for more information.

Student Organizations

Student organizations under Rose State College sponsorship may be formed whenever there is a worthwhile purpose and sufficient interest. Student organizations are numerous enough that every student can find one or more organization of interest. All rules and regulations pertaining to student organizations may be found in the Student Handbook. Information concerning organizational procedures or a list of active student organizations on campus may be obtained from the Office of Student Engagement located in the Student Union, Room 118.

Phi Theta Kappa International Honor Society

Phi Theta Kappa International Honor Society, the official honor society for community colleges and the largest academic honor society in the world, has a very active chapter on the Rose State College campus since its charter in 1981. The purpose of Phi Theta Kappa is to recognize and encourage scholarship among 2-year college students. To achieve this purpose, Phi Theta Kappa provides opportunities for the development of leadership and service, for an intellectual climate for exchange of ideas and ideals, for lively fellowship for scholars, and for stimulation of interest in continuing academic excellence. Phi Theta Kappa members may participate in a broad range of activities from on-campus meetings and service projects to off-campus meetings of the regional and international organizations. The chapter participates annually in at least 2 regional events: the Regional Honors Institute in the Fall and the Regional Conference in the Spring. Additionally, the chapter travels to the International Convention each Spring, and members have the opportunity to attend the Honors Institute each Summer.

Phi Theta Kappa members are recognized for academic excellence at graduation and are eligible to wear gold tassels and stoles and/or blue and gold chords with their graduation robes. Members also have their diplomas stamped with a gold Phi Theta Kappa membership seal. In addition, they are eligible for special scholarships and tuition waivers at 4-year universities across the nation. Many senior institutions also sponsor alumni chapters of Phi Theta Kappa.

Membership is by invitation only. Invitations to join are sent to eligible students' official Rose State College email accounts at the beginning of each semester. To receive an invitation, students must meet the following requirements: 1) have completed at least 12 hours of coursework numbered at the 1000 level or above, 2) have a cumulative grade point average of 3.5 or higher on a 4.0 scale, and 3) be pursuing a degree. More information is located at www.rose.edu/PTK.

Intramural Sports

The student intramural sports program at Rose State College provides opportunities for all students to enjoy satisfying experiences related to their particular physical needs so they can accomplish their level of aspiration. For information, contact the Residence Life Office at (405) 733-7490.

Intercollegiate Athletics

Intercollegiate athletic competition is governed by the National Junior College Athletics Association (NJCAA) eligibility rules. Currently, Rose State College fields varsity sports in men's baseball, women's softball, men's soccer, women's soccer and women's volleyball. The overall program is dedicated to the student athlete who strives to maximize both athletic and academic skills.

Student Wellness Services

Actively enrolled students are provided access to the Wellness Center by presenting their student IDs at the Reception Area of the Center in order to encode their ID cards for access. The Wellness Center consists of:

- Cardiovascular and weight/resistance training areas
- State-of-the-art equipment
- Multipurpose exercise rooms
- Open activity area
- Classroom space
- Wellness assessment and athletic training areas

The Social Sciences Division utilizes the Wellness Center to offer students the academic programs of Health and Sports Sciences. In addition to these academic programs, numerous wellness services are provided to students, including intramural sports, fitness activities, strength and conditioning training, health and diet counseling, cholesterol screening, blood pressure monitoring, and other wellness-related workshops/counseling.

RSC Advocacy Group

RSC Advocates is a group of staff advocates trained to respond if any of our community experiences any type of sexual assault, relationship violence, stalking or harassment. RSC Advocates is an anonymous, free and LGBTQAI-friendly service. A Title IX complaint is not necessary to access the services available through the RSC Advocates program. Members of the advocacy team are trained in handling initial reports of sexual misconduct and discrimination; including addressing immediate medical and personal needs such as exams, collecting evidence, sleeping and eating, and how to file a formal complaint. The only "by-law" exempt employee at Rose State College is the certified Licensed Professional Counselor in Student Services.

Visitors to Campus

Visitors are welcome at Rose State College; however, visitors are not allowed to visit classrooms without prior consent of the administration and the professor. Undesirable behavior on the part of campus guests which threatens the normal function of the College will result in guests being asked to leave campus.

Nondiscrimination Policy

Rose State College explicitly condemns discrimination toward students, staff, and faculty on the basis of race, color, sex, age, national origin, religion, disability, genetic information, sexual orientation, gender identity or expression, or status as a veteran in any of its policies, practices, or procedures. This includes, but it is not limited to, admissions, employment, financial aid, and educational services. The College is committed to providing a study and work environment free from discrimination and to ensuring the accessibility of appropriate grievance procedures for addressing all complaints regarding discrimination.

Raider Alert: Rose State College Emergency Notification System (RAVE)

Raider Alert is Rose State College's timely warning and emergency notification system. Raider Alert allows authorized RSC officials to send emergency information and instructions simultaneously through cell phones, text messaging, landline phones, and RSC email to all registered students, faculty, and staff.

All students are registered for Raider Alert with contact information provided to Admissions and Records at the time of admission to the College. All students are required to contact Admissions and Records at (405) 733-7308 to provide updated contact information, verify registration with Raider Alert, and ensure all contact information is accurate. Students should visit https://www.getrave.com/login/rose and log in using their College email address for the username and their assigned initial password in the notification email from Rave Mobile Safety. For questions or concerns, contact the Coordinator of Campus Safety, Security and Risk Management at (405) 736-0213.

Services for the Community

Community Learning Center

The Community Learning Center is available to assist individuals in gaining skills for employment or upgrading of job skills. The CLC is located off Interstate 40 at the Hudiburg Drive exit, Exit 156B. Parking is available near the building. The Center offers a wide variety of short courses, workshops, and seminars provided by Rose State College. The facilities include an auditorium, classrooms in a variety of sizes, break-out rooms for small-group activities, a conference room, and a computer lab for support of programs.

Adult & Senior Non-Credit Classes

Rose State College is dedicated to providing educational services to individuals, community service organizations, and business and industry. Classes are available to serve the needs and interests of people of all ages. The Community Learning Center offers a wide range of non-credit personal enrichment classes. Such class offered are such as art, genealogy, creative writing, languages, and dance, and much more. Morning, afternoon, and evening noncredit classes are available. Special workshops are offered throughout the year and can be scheduled for specific groups. Visit www.rose.edu/clc or call (405) 733-7392.

Aquatic & Wellness Center classes are non-credit community membership classes. If you are interested in Aquatics, Land Fitness, Learn to Swim or Wellness Center Memberships, please contact the Wellness Center office at (405) 733-7351 or visit www.rose.edu/aquatics-wellness.

Kids College and STEM Academies

Each summer, more than 1,500 youth participate in the Kids College and STEM Academies programming. These programs feature a wide variety of activities ranging from 3D printing, aerospace, esports, alpacas, candy chemistry, sports, arts and crafts, life-size board games, meteorology, and biology. Morning and afternoon classes, plus before and after care hours, can be combined for 7:30 am - 5:30 pm activities during June and July. Contact Kids College at (405) 736-0220 for more information.

Rose State College Tinker Air Force Base Education Office

Lunchtime, evening and online courses are scheduled at Tinker Air Force Base for active military personnel, their dependents, and civilian employees of the Base. Enrollment, advisement, and a variety of other educational services are provided by the Rose State College TAFB Educational Services Office in Building 201SE on Base. The office is open 2 days a week. For information, call (405) 736-0261.

Career Development Office

The mission of Rose State College Career Development is to help students achieve their career goals. A variety of services are offered, including assistance with career and interest exploration, career planning, creating a resume and LinkedIn profile, interview preparation, job search strategies, job fairs, and internship fairs. To speak with a Career Development advisor, please schedule an appointment by calling (405) 733-7962. Be sure to create your free Handshake account to connect with jobs and internships posted by employers seeking Rose State students. To set up your account, go to: rose.joinhandshake.com. More career development information, resources, and links are available at www.workforce.rose.edu/career-development.

Tinker Air Force Base Education & Training Partnership

Rose State College has the opportunity to work closely with the Tinker Air Force Base Education and Training Partnership Office to provide supervisory and other credit and non-credit training to Tinker Air Force Base employees. For more information, call (405) 736-0261 or email mstevens@rose.edu.

Rose State College Performing Arts Center

The Rose State College Performing Arts Center contains a variety of special rooms and areas to accommodate multiple needs. A magnificent lobby provides a large gathering and intermission area for students and guests, or a site for special meetings and banquets for groups of up to 350. The center of the facility is the 1,400-seat Rose State College Performing Arts Theater. With exceptional theatrical capabilities and superb acoustics, the Theater hosts a variety of live cultural and educational events. Bordering the Theater are classrooms for instruction in instrumental and vocal music, painting, ceramics, and other expressive arts. The exterior of the building features a 336-seat amphitheater designed to host various outdoor

events and performances. The Rose State College Performing Arts Center is a premier educational facility and cultural venue for Rose State College students and central Oklahoma.

Tanenbaum Aerospace and Cybersecurity Center

The Tanenbaum Aerospace and Cybersecurity Center is located on Hudiburg Drive, on the west side of campus. The 32,000 square-foot facility features a 95-seat, tiered seminar room, as well as 5 additional conference rooms. The Tanenbaum Center provides a state of the art cybersecurity training center and other short-term trainings, micro-credentials, the Environmental Training Center, and other unique professional development opportunities through our Workforce Development department. The Center also holds a Small Business Development Center that serves businesses with 500 or fewer employees with confidential, no-cost consulting services in all facets of their business cycle. The Center specializes in customizing training to nimbly respond to industry demand and has developed several delivery modes including on-campus courses, workshops at clients' sites, online instruction, and post-training activities to reinforce the training message. For more information, please visit workforce.rose.edu or call (405) 733-7488.

Learning Resources Center (LRC)

The Learning Resources Center (LRC) is a central hub for academic support and resources at Rose State College. It offers various study areas, services, and facilities. The is situated on the east end of campus, opposite the Jeanie Webb Student Union.

Building visitors must follow all College policies while using the LRC. Disregarding these, including unauthorized removal or attempted removal of Library materials, will be reported to Campus Security and/or the Office of Student Conduct. Note that for safety reasons, children must be supervised by an adult at all times. Staff members cannot assist with supervision of children because of the support duties related to their positions.

Housed inside the LRC are the following services:

The **Library** offers a library courtesy card to adult citizens of Midwest City and Del City as well as Tinker Air Force Base military personnel. The card provides check-out privileges for the entire circulating collection. Guests may browse periodicals and reference books in the collection, but those items may not be checked out. Textbooks in the reserve collection may not be checked out by non-students. We also provide internet access and limited printing to guests through computers in the open computer lab. Professional librarians are available at the Reference Desk to assist patrons with the selection of appropriate resource materials.

Academic Testing proctors tests for classes originating from other institutions. Individuals must first make an appointment with Academic Testing and pay a proctoring fee at the Cashier's Office before taking their tests.

Student Union

The Jeanie Webb Student Union is a 48,000 square-foot facility that houses the Joe and Charlene Cole Student Services area, which includes the offices of Student Enrollment and Student Engagement, and a spacious Student Lounge. It includes such amenities as the TFCU Cafe at Rose which is a full-service food court, the Ray and Joan Hardin Rose Perks coffee bar, and the Lloyd and Glenda Eisenhour Bookstore. The Student Union offers comfortable areas for conversation or studying and has both gendered and non-gendered restrooms, as well as a lactation room. The facility also features the 400-seat FNB Community Ballroom that is configurable for a variety of venues, such as a banquet and theater arrangements, as well as staff offices and numerous conference rooms for student and faculty meetings and events.

Student/Community Wellness Center Services

The RSC Wellness Center supports students and community programs. This recently renovated facility includes:

- Expanded cardiovascular and weight/resistance training areas
- State-of-the-art equipment
- Multipurpose exercise rooms
- Open activity area
- Classroom space
- Wellness assessment and athletic training areas

Numerous wellness programs are offered to campus and community members, including wellness assessments, fitness activities, health fairs, and strength training. To participate in services offered by the RSC Wellness Center, contact the Director of Health and Wellness Activities at (405) 733-7350.

Statement Regarding Acquired Immune Deficiency Syndrome

Appropriate College personnel will continue to review information about AIDS as it becomes available from the American College Health Association and will utilize that information in establishing appropriate individual guidelines. In the development of guidelines, emphasis will be placed on ensuring the rights of the affected individual and members of the campus community. Conditions on the enrollment of individuals known to have AIDS or AIDS-related complexes will be considered by the College on an individual and confidential basis.

Dental Hygiene Clinic

The Dental Hygiene Program operates a modern 12-chair community clinic in the Allied Dental Education Building on the Rose State College campus. Established in 1970, the program is accredited by the Commission on Dental Accreditation of the American Dental Association. Clinical services are provided to the community during the Fall and Spring academic semesters. The clinic welcomes patients from the campus, community and state. Preventive and therapeutic clinical services are provided by students and supervised by licensed dentists and licensed dental hygienists. Services are offered at a reduced fee due to the educational environment of the clinical facility. Additional information and screening appointments may be scheduled at (405) 733-7336.

Academic Information

GRADING SYSTEM: Final grades are reported for each student for every course undertaken according to the following:

GRADE	INTERPRETATION	GRADE-POINT VALUE
A	Excellent	4 Points
B	Good	3 Points
C	Average	2 Points
D	Poor	1 Point
F	Failing	0 Points

GRADE	INTERPRETATION	GRADE-POINT VALUE
I	Incomplete	Not Computed
N	Grade Not Reported	Not Computed
W	Withdrawn	Not Computed
S	Satisfactory	Not Computed
U	Unsatisfactory	Not Computed
AU	Audit	Not Computed
AW	Administrative Withdrawal	Not Computed

GRADE POINT AVERAGE (GPA): Grade points are computed by multiplying the number of points that a particular grade (A, B, C, etc.) carries by the number of credit hours in a course. The grade point average may be found by adding the grade points for all courses and dividing them by the total number of applicable credit hours attempted.

To graduate with an associate degree, students must have completed 62 hours with a minimum of 2.0 on courses to be presented for graduation. At least a "C" grade must have been earned in each course in the Program Requirements section for the degree sought. Some programs also require a minimum grade of “C” in the Support and Related section.

"W" GRADES: A withdrawal grade of "W" is issued when students initiate a withdrawal during the allowable withdrawal period. The withdrawal period for a "W" will begin after the 10th day of classes in the regular session and the 5th day of classes in the Summer term and will not exceed 12 weeks of a 16-week semester or, in general, not exceed three-fourths of the duration of any term. Students requesting to drop a class/classes after this deadline must have approval of the appropriate faculty member(s) and division dean(s). The approval is discretionary, but students must be passing the course(s). Late withdrawal is available for students with passing grades by special permission prior to the last day of class work before the final exams begin.

"AW" GRADES: Administrative Withdrawal may be assigned to indicate that students have been "involuntarily" withdrawn by the institution during the designated semester for disciplinary or financial reasons or inadequate attendance. Institutional procedures will be followed before the "AW" is assigned. Administrative withdrawals are GPA neutral.

INCOMPLETE GRADES: An incomplete grade may be used at the professor's discretion to indicate that additional work is necessary to complete the requirements for a course. It is not a substitute for an "F," and no student may be failing a course at the time an "I" grade is awarded. To receive an "I" grade, a student should have satisfactorily completed a substantial portion of the required coursework for the semester. The professor, in consultation with the student, will determine remaining course assignments and deadlines, but all incomplete grades must be removed within one regular semester (e.g. a Spring semester or Summer term incomplete should be completed by the end of the Fall semester. A Fall semester incomplete should be completed by the end of the Spring semester); otherwise the grade remains as incomplete on the student's permanent record. Requests for exceptions may be made to the Vice President for Academic Affairs.

GRADE APPEAL: One of the functions of the Academic Grade Appeals Committee is to provide an opportunity for students to challenge a final grade, provided a solution cannot be reached through proper academic channels. Appeals for this purpose must be made within 90 days after the grade in question appears on the permanent record. Information concerning procedures to be followed is available from the Office of Academic Affairs in Learning Resource Center Building, Room 102. https://www.rose.edu/media/12804/grade-appeal-process.pdf.

Honor Rolls

ENROLLED IN 12 HOURS OR MORE: Honor rolls will contain the names of students who have completed 12 or more credit hours within 1 semester with a grade average of "B" (3.0) or better. The President's Honor Roll is for students with a grade point average of 4.0; the Vice President's Honor Roll is for students with a grade point average of 3.0-3.99, with no course grade below a "C" in college-level or developmental courses. Grades of "S" (Satisfactory) and “U” (Unsatisfactory) are neutral and are not figured in students' semester grade point average, and only college-level courses generating "S" grades will be considered toward the number of enrolled hours required for honor roll consideration. Students must complete any course for which an "I" was awarded before they may be considered for the honor roll. Honor roll information is placed on the student’s official transcript.

ENROLLED IN 6-11 HOURS: Honor rolls for part-time students, those who are at least half-time (6 hours or more), will be based on the same academic standards as full-time honor rolls. Students must complete any course for which an "I" was awarded before they may be considered for an honor roll.

ENROLLED IN SUMMER SESSION: Honor rolls for a Summer session will contain the names of students who have completed 6 or more credit hours with a grade average of "B" (3.0) or better. The same academic standards required during the Fall and Spring semesters for President's Honor Roll (4.0 GPA) and Vice President's Honor Roll (3.0-3.99 GPA) will be required for a Summer semester honor roll. In addition, students must complete any course for which an "I" was awarded before they may be considered for an honor roll.

Academic Classification

Good signifies any student who meets the retention requirements as set forth in this policy is in good academic standing.

Academic Notice signifies that the student is not making normal academic progress. It is a condition that could lead to serious academic problems if academic performance does not improve. The student is urged to seek advice and guidance from an academic advisor.

Academic Probation signifies that the student has failed to maintain the necessary grade average on all work completed and must seek permission to enroll from the Registrar. (See Academic Probation in the following section.)

Academic Suspension signifies that the student has failed to achieve the required grade average while on Academic Probation and will not be permitted to enroll at Rose State College for a minimum period of a 16-week Fall or Spring semester.

Students placed on Academic Notice, Academic Probation and transfer students admitted on probation must satisfactorily complete EDUC 1103 College & Life Strategies and must progress academically as specified in the State Regents' policy for probationary students.

Retention Policies

GPA Requirements: Students are expected to maintain a satisfactory GPA for the duration of their college experience. This GPA may be used for financial aid or eligibility purposes, admission to specific programs or graduation honors. Effective beginning Fall 1993, students will be placed on academic probation if they fail to meet the following requirements:

Credit Hours Attempted	GPA Requirement
0-29 semester credit hours	1.7
More than 29 semester credit hours	2.0

Freshmen students (less than 30 credit hours) with a GPA of 1.7-less than 2.0 will be placed on Academic Notice.

The 2.0 GPA required for retention of students who have greater than 29 semester credit hours does not include grades earned in activity and/or performance courses not related to their degree objective. Students who are on Academic Probation and who do not achieve the required GPA will not be allowed to enroll at Rose State College for a minimum period of a 16-week semester (Fall or Spring). Students who are admitted on probation after having been suspended for poor academic performance will be required to enroll in and successfully complete EDUC 1103 College & Life Strategies. Students suspended at the end of the Spring semester may attend the Summer session immediately following Spring suspension. Students should go to or contact the Office of Admissions and Records in the Student Union 118 at (405) 733-7308 for additional information.

Academic Forgiveness

Academic Forgiveness Provisions Circumstances may justify a student being able to recover from academic problems in ways which do not forever jeopardize the student's academic standing. Academic forgiveness may be warranted for currently enrolled undergraduate students in three specific circumstances:

A. **Repeated Courses** All State System institutions are required to offer the repeated courses provision. Undergraduate students are limited to three attempts in the identical course to improve their grade. All attempts shall be recorded on the transcript with the earned grade for each listed in the semester earned. The Explanation of Grades section of the transcript will note that only the highest grade earned is used in the calculation of the GPA. If most recent repeated course was graded as pass-fail, then the pass-fail grade is used and none of the previous letter grades apply. There is no limit to the number of times students can retake a course to achieve a sufficiently high grade to satisfy degree or program requirements.

B. **Academic Reprieve** Offering academic reprieve for students is optional for all State System institutions. Academic reprieve is a provision allowing a student who has experienced extraordinary circumstances to disregard up to two semesters in the calculation of his or her GPA. A student may request an academic reprieve from State System institutions with academic reprieve policies consistent with these guidelines:

1. Prior to requesting academic reprieve, the student must have earned a 61 GPA of 2.0 or higher with no grade lower than a "C" in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
2. The request may be for one semester or term of enrollment or two consecutive semesters or terms of enrollments. If the reprieve is awarded, all grades and hours are included during the semester(s) for which a reprieve has been requested. If the student's request is for two consecutive semesters, the institution may choose to reprieve only one semester.
3. The student must petition for consideration of academic reprieve according to institutional policy.
4. All courses remain on the student's transcript, but are not calculated in the student's GPA. Course work with a passing grade included in a reprieved semester may be used to demonstrate competency in the subject matter. However, the course work may not be used to fulfill credit hour requirements.

C. **Academic Renewal** Offering academic renewal for students is optional for all State System institutions. Academic renewal is a provision allowing a student who has had academic trouble in the past and who has been out of higher education for

a number of years to recover without penalty and have a fresh start. Under academic renewal, course work taken prior to a date specified by the institution is not counted in the student's GPA. A student may request academic renewal from State System institutions with academic renewal policies consistent with these guidelines:

1. At least three years must have elapsed between the last semester being renewed and the renewal request or shorter time period as approved by the institution's Chief Academic Officer.
2. Prior to requesting academic renewal, the student must have earned a GPA of 2.0 or higher with no grade lower than a "C" in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
3. The request will be for all courses completed before the date specified in the request for renewal.
4. The student must petition for consideration of academic renewal according to institutional policy.
5. All courses remain on the student's transcript, but are not calculated in the student's GPA. Neither the content nor credit hours of renewed course work may be used to fulfill any degree or graduation requirements.

Academic Suspension Appeals: Rose State College students who have been placed on academic suspension for the first time may petition the Admissions Committee for reinstatement based on documented extraordinary personal circumstances that contributed to their academic requirements. There is not an appeal process for students suspended for the second time.

Reinstatement of Suspended Students: Students who are academically suspended by RSC the first time may be considered for reinstatement after one 16-week semester (Fall or Spring). Admissions and Records will interview students making a request for reinstatement and inform them of the academic progress that is expected. Students reinstated after one 16-week semester of suspension must satisfactorily complete, during the first semester of reinstatement, EDUC 1103 College & Life Strategies, and must progress academically as specified in the State Regents' policy for probationary students.

Students suspended from RSC for the second time may receive consideration for reinstatement after 1 year (2 full semesters, Fall and Spring) and only after they have demonstrated, by attending another institution, the ability to succeed academically by raising their GPA to the retention standards.

Students suspended for the first time in a Spring semester will be allowed to enroll in the immediately following Summer term. Enrollment will be limited to core academic courses that meet the general education or degree requirements. To continue in the Fall semester, students must achieve a 2.0 semester GPA or raise their GPA to the required level. Students' transcripts will note suspension at the end of the Spring semester.

Reinstatement of Suspended Students at State System Institutions: Students suspended from all other Oklahoma State System institutions may be eligible for admission to RSC. Students seeking admission to the College under this category will be interviewed by the College Registrar and advised of the requirements for admission. These requirements include satisfactory completion, during the first semester of reinstatement, of, EDUC 1103 College & Life Strategies, and the planning of a class schedule with an Academic Advisor. Students will be informed of the availability of tutoring, study skills instruction, and counseling. Students admitted in this category will be placed on academic probation and must meet the State Regents' Retention Standards.

Official Transcripts of Credit

An "official" transcript is defined by the Oklahoma State Regents for Higher Education as an official document issued by the institution with student information that is a complete and accurate reflection of a student's academic career. At minimum, an official transcript must include essential elements as referenced by the American Association of College Registrars and Admission Officers.

The Office of Admissions and Records will send students' official transcripts upon their written and signed request to any college or agency named. Proper photo identification will be required before an official transcript may be requested. Students may also retrieve an unofficial transcript at the College's website (www.rose.edu) using their Student ID number.

Students can order official electronic transcripts online at the College's website to be delivered to an institution or an individual.

Deceased Students' Records

Upon a student's death, education records are not protected under FERPA. However, Rose State College maintains full discretion in deciding whether, and under what conditions, education records of deceased students should be disclosed. In general, the Registrar's Office, on behalf of the College, will not release education records but may do so under the following conditions:

- The Registrar's Office will release such records if the College receives a valid subpoena requiting such records, or
- The Registrar's Office may choose to release such records with the written authorization of the executor of the deceased student's estate or next of kin if an executor has not been appointed. Such individual would need to provide proof of the student's death (i.e., death certificate or obituary notice).

Declaring/Changing a Major

Courses completed in a particular discipline or program of study are considered as a major for students. During initial enrollment, students and enrollment advisors will explore various educational objectives. Students declare a major at the time of enrollment. This major may be changed at any time; however, previously completed coursework may not apply to the new major. Changing a major or program may affect federal financial aid eligibility or aspects of students' enrollment or completion. It is important to discuss a major change with the appropriate academic advisor.

Students may submit a request to change majors at any time during the semester. In order to change a major, students should go to the Student Services Academic Advisement Office in SSB 100 or to the appropriate Division Advisement Office to discuss the change with an academic advisor. Students who receive financial aid should also check with the office of Financial Aid in SSB 200 and/or Veteran Student Services in SSB 100S/100T to make sure there will not be any issues. Students should complete and sign a change form. Please note: Students cannot change a major in an AAS program to a major in an AA or AS program until all deficiencies have been removed.

Degree Requirements

Associate in Arts and Associate in Science

Students who complete a minimum of 60 hours from courses at the 1000 level or higher, including all degree requirements, may be awarded the Associate in Arts or the Associate in Science degree. Associate in Arts and Associate in Science degree programs are specifically designed to transfer to a 4-year college or university in the Oklahoma State System for Higher Education.

The general education requirements consist of designated courses which, as a total group, focus on emotional, intellectual, physical, and social aspects of learning and development. These courses are intended to provide a base from which students may function efficiently in a contemporary, multi-cultural environment. As part of The Oklahoma State System for Higher Education, Rose State College includes a general education component in all its degree programs in agreement with and in support of the philosophy of general education expressed in the following policy from the Oklahoma State Regents for Higher Education:

> General education, with its foundation in the liberal arts and the implementation of new disciplines not traditionally associated with liberal studies, seeks to provide the college student of today with an education (beyond the foundation stage attained in elementary and secondary school) which moves the individual beyond a narrow self-orientation into a position of grasping educational knowledge and experience that is significant for the individual to function adequately in his or her relationship to the larger community.

Institutional Learning Outcomes

Rose State College faculty have adopted four core competencies which students will develop within any degree program before graduation. These core competencies are Communication, Awareness, Reasoning, and Engagement. Through general education coursework, program-specific coursework, and cocurricular activities, students may demonstrate competency in these four areas by achieving at least one learning outcome within each category. These Institutional Learning Outcomes (ILOs) are defined as follows:

Core Competency	Institutional Learning Outcomes (ILOs)
Communication	Compose a **written** document suitable to one's target audience.
	Express information **verbally**.
	Create **visual** media to deliver a message or information.
Awareness	Interpret **cultural** variations within and between communities.
	Evaluate **aesthetic** expressions of human identity or experience.
	Contextualize **historical** phenomena across time and place.
Reasoning	Recognize when **information** is needed and how to locate, evaluate, and use sources.
	Develop **critical thinking** in relation to a scenario or problem.
	Evaluate **quantitative** relationships.
Engagement	Engage in collaborative **learning** inside or outside a classroom.
	Identify **skills** that are transferable to work or continued education

Required **General Education courses** include the following:

LANGUAGE ARTS
English Composition 3 hours
English Composition II 3 hours

HISTORY
U.S. History 3 hours

POLITICAL SCIENCE
American Federal Government 3 hours

SCIENCE (One course must be a lab science)
Life/ Physical Science 6-8 hours
Acceptable courses include: HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, PHYS (7 hours; one course must include lab)

MATHEMATICS 3 hours

Any MATH course which is at least 1000 level or higher **except** MATH 2013, MATH 2023, MATH 2033 and MATH 2091-6.

HUMANITIES ELECTIVES 6 hours
Courses in the Humanities investigate elements of human self-expression and culture, including artistic expression, history, literature, philosophy, and religion.

ART	1103	Art Appreciation
ART	2813	Survey of Art History I
ART	2823	Survey of Art History II
ENGL	2033	Creative Writing
ENGL	2113	Introduction to Literature
ENGL	2123	Introduction to Cinema
ENGL	2133	Bible As Literature
ENGL	2153	Fantasy & Science Fiction Literature
ENGL	2213	American Literature to 1865
ENGL	2223	American Literature from 1865
ENGL	2233	Native American Literature
ENGL	2243	Black American Literature & Media
ENGL	2253	Women in American Literature
ENGL	2313	English Literature to 1798
ENGL	2323	English Literature from 1798
ENGL	2413	World Literature to 1674
ENGL	2423	World Literature from 1674
FSDM	1833	Film History
FSDM	1913	Classical Hollywood Cinema
HIST	1203	African American History
HIST	2133	Women's History
HIST	1413	Ancient & Medieval Civilization
HIST	1423	Europe: Renaissance to Waterloo
HIST	1433	Revolutionary Europe 1815-Present
HIST	1113	Survey of East Asia, China, Japan & Korea
HIST	2123	Aviation History
HIST	2503	American Indian History
HIST	2583	Introduction to LGBTQ+ History
HUM	2113	Humanities through the Middle Ages
HUM	2223	Humanities from the Renaissance
HUM	2313	American Humanities
HUM	2323	Latin American Humanities
HUM	2343	Classical Mythology
HUM	2423	Global Cultural Experience
HUM	2603	Study Tour in Humanities
MUS	1203	Music in Life
MUS	1313	Music Literature I
MUS	1323	Music Literature II
NAS	1113	Introduction to Native American Studies
PHIL	1103	Introduction to Philosophy
PHIL	1223	Introduction to Asian Philosophy
PHIL	2103	Social and Political Philosophy
PHIL	2113	Introduction to Logic & Critical Thinking
PHIL	2203	Philosophy of Religion
PHIL	2303	Introduction to Ethics
POLS	2803	Introduction to Political Theory
TH	1353	Introduction to Theatre

LIBERAL ARTS ELECTIVES 3 hours*
Liberal Arts electives are those traditional fields of study in the humanities, social and behavioral sciences, communication, history, literature and theory of fine arts (music, art, drama and dance). Courses in these fields whose primary purpose is directed toward specific occupational or professional objectives, or courses in the arts which rely substantially on studio or performance work are not considered to be liberal arts. At least one course must come from the following:

Courses eligible as Liberal Arts Electives (Discipline: Description)
*Specific course titles are available at in the Course Descriptions section of this Catalog.
Art: Any course with the ART prefix **except** ART 2093 or ART 2901
Criminal Justice: Any course with the CJ prefix **except** CJ 2193
Economics: Any course with the ECON prefix **except** ECON 2843
English: Any ENGL course on a 1000 level or higher
Family Services & Child Development: Any course with the FSCD prefix **except** FSCD 2233 or FSCD 2091-3
French: Any course with the FREN prefix
Geography: GEOG 1103 or GOEG 2443
German: Any course with the GERM prefix
History: Any course with the HIST prefix
Humanities: Any course with the HUM prefix
Language: Any course with the LANG prefix

Leadership: LEAD 1203
Music: MUS 1203, MUS 1212, MUS 1222, MUS 1232, MUS 1242, MUS 1263, MUS 1313, MUS 1323, MUS 2402, MUS 2422, MUS 2432, or MUS 2442
Native American Studies: Any course with the NAS prefix
Philosophy: Any course with the PHIL prefix
Physical Science: PHSC 1114
Political Science: Any course with the POLS prefix **except** POLS 1113 or POLS 2191-3
Psychology: Any course with the PSYC prefix
Sociology: Any course with the SOC prefix
Spanish: Any course with the SPAN prefix
Theatre: TH 1103, TH 1353, TH 1513, TH 1533, TH 2113, TH 2523, or TH 2713

GENERAL EDUCATION ELECTIVES 5-7 hours

The remaining 5-7 hours may be selected from liberal arts and science courses as free electives or used to satisfy Program Requirements as identified in the table below. No more than 12 hours in any one area will count toward the basic 37 Hours of general education. Liberal Arts and Sciences are defined as those traditional fields of study in the humanities; social and behavioral sciences; communications; economics; natural and life sciences; mathematics; and the history, literature and theory of fine arts (music, art, theatre, dance). Courses whose primary purpose is directed toward specific occupational or professional objectives or courses in the arts which rely substantially on performance work are not considered to be liberal arts and sciences for the purpose of this policy (as defined in the Oklahoma State Regents for Higher Education Policy Statement on Requirements and Standards for Awarding Bachelor's Degrees at Colleges and Universities in the State System.)

Courses eligible as General Education Electives (Discipline: Description)

*Specific course titles are available at in the Course Descriptions section of this Catalog.

Art: Any course with the ART prefix **except** ART 2093 or ART 2901
Astronomy: Any course with the ASTR prefix **except** ASTR 1401
Chemistry: Any course with the CHEM prefix
Criminal Justice: Any course with the CJ prefix **except** CJ 2193
Economics: Any course with the ECON prefix
College & Life Strategies: EDUC 1103
English: Any ENGL course on a 1000 level or higher **except** ENGL 1113 or ENGL 1213
Environmental Science: ENSC 1103, Introduction to Environmental Science
Family Services & Child Development: Any course with the FSCD prefix **except** FSCD 2233 or FSCD 2091-3
French: Any course with the FREN prefix
Geography: GEOG 1103, GEOG 1114, GEOG 2443
Geology: Any course with a GEOL prefix
German: Any course with the GERM prefix
Health & Environmental Sciences: HES 2323
Health, Physical Education and Recreation: HPER 1202
History: Any course with the HIST prefix
Humanities: Any course with the HUM prefix **except** HUM 2191-4
Language: Any course with the LANG prefix
Life Science: Any course with the BIOL prefix, HSBC 1104, HSBC 1224, HSBC 2103, or HSBC 2114
Leadership: Any course with the LEAD prefix
Mass Communication: Any course with the MCOM prefix **except** MCOM 2091-3 or MCOM 2333
Math: Any course with the MATH prefix on a 1000 level or higher **except** MATH 2013, MATH 2023, MATH 2033, or MATH 2091-6
Meteorology: Any course with the METR prefix
Music: MUS 1203, MUS 1212, MUS 1222, MUS 1232, MUS 1242, MUS 1263, MUS 1313, MUS 1323, MUS 2402, MUS 2422, MUS 2432, or MUS 2442
Native American Studies: Any course with the NAS prefix
Orientation: ORI 1101
Philosophy: Any course with the PHIL prefix
Physical Science: PHSC 1313
Physics: Any course with the PHYS prefix **except** PHYS 2091-6
Political Science: Any course with the POLS prefix **except** POLS 2191-3
Psychology: Any course with the PSYC prefix **except** PSYC 2433
Reading: Any course with the READ prefix **except** or READ 2091-3
Sociology: Any course with the SOC prefix
Spanish: Any course with the SPAN prefix
Theatre: Any course with the TH prefix **except** TH 1311, TH 1321, TH 1341, TH 2331, TH 2713, TH 2721-3, or TH 2902

Computer Proficiency: Students majoring in transfer degree programs will be required to demonstrate computer proficiency before graduation. Demonstration of proficiency will include the following skills:

- Defining and properly using common computer terminology;

- Installing, saving, and organizing information stored on a computer;
- Using a Windows® environment;
- Operating software for word processing, spreadsheets, and database management;
- Using the internet;
- Demonstrating how to use computers to perform a task or solve a problem by defining appropriate applications of hardware and software; or
- Using one of the following alternatives:
  1. Successfully completing one of the following courses:

CHEM	1114	Introductory Chemistry
CIT	1093	Microcomputer Applications
CHEM	1135	General College Chemistry I
CIT	1103	Introduction to Computers
CHEM	2103	Organic Chemistry I
ENGR	2013	Engineering Graphics & Design
CHEM	2112	Organic Chemistry I Laboratory
CHEM	2203	Organic Chemistry II
CHEM	2212	Organic Chemistry II Laboratory
CHEM	2115	Survey of Organic Chemistry
PHYS		Any course with a PHYS prefix **except** PHYS 1253, PHYS 1513, PHYS 1613, PHYS 2091-6, or PHYS 2814
GIS	1113	Introduction to Geographic Information Systems

  2. Validation of work experience or other academic coursework involving the competencies listed above.
  3. Successful completion of a computer proficiency assessment.
  4. Completion of a high school computer course, excluding keyboarding courses.
  5. Successful completion of any 3-credit-hour online course.

Embedded Certificates

Within a degree program, specialized certificates may be embedded to provide students with documentation of specific areas of specialization. Upon completion of a degree program, students will earn an associate degree. Upon completion of a designated section of courses from that degree program, students will receive a certificate. Certificates will be automatically awarded at the completion of the degree program, but a student may opt out of receiving the certificate before it is posted by providing a request in writing to the Graduation Office.

Associate in Applied Science

Students who complete a minimum of 60 hours from courses at the 1000 level or higher, including general education courses and the designated program and Support and Related Requirements, may be awarded an Associate in Applied Science degree.

The following general education courses include the minimum requirements of the Oklahoma State Regents for Higher Education. Additional general education courses may be required in some programs. In addition, some academic programs may require students to validate competencies in courses designated as Program Requirements if the courses were taken 5 years or more prior to the completion of the program.

Communications 6 hours

Must include:

1) a college-level communications course in technical communication designed around the technical-occupational specialty or
2) a course in English composition or grammar

United States History 3 hours
American Federal Government 3 hours
General Education Electives 6 hours

General Education Electives, their foundation in the liberal arts and sciences, are defined as traditional fields of study in the humanities, social and behavioral sciences, communications, economics, natural and life sciences, mathematics, history, literature, and theory of fine arts. Acceptable science courses include: HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, PHYS (one course must include lab). Math courses must be completed from courses with a MATH prefix or from other math courses approved by the College for specific applicability in designated programs.

Academic Program Discontinuance

Rose State College reserves the right at all times to discontinue, modify, or otherwise change its degree programs when it determines it is in the best interest of the College to do so. Students must complete a discontinued degree program within 2

years of RSC's effective deletion date for that program. A currently enrolled student may not declare a degree program that has been deleted, regardless of the student's RSC Academic Catalog year. Students who have stopped out for 2 or more semesters may not be readmitted into a program that has been deleted. Exceptions to this policy may be considered on a case-by-case basis and require the approval of the Chief Academic Officer. RSC will make a reasonable attempt and use available contact information to notify students when a degree program is scheduled to be deleted.

Technology Center Contractual Agreements

Contractual agreements between Rose State College and metropolitan technology centers have been developed in accordance with State Regent policy. Contractual agreements allow students to co-enroll in approved technology center courses and receive college credit through RSC. Credit is applied toward appropriate Associate in Applied Science degrees. For more information, contact the Technology Center counseling staff and see the Technical Transfer Credit section of this Catalog.

2-Year Graduation Plan

Students at Rose State College may follow many diverse paths to complete an associate degree. For many reasons, one of the options which students may elect is to complete their degree requirements within 2 years of their initial freshman enrollment. Some want to enter the full-time workforce as soon as possible. Others plan to continue their education and do not want to prolong undergraduate study, and most want to save money.

With the encouragement of the Oklahoma State Board of Regents, RSC has developed a plan to help students who have a desire to graduate in 2 years. Students who elect to participate in RSC's 2-Year Graduation Plan will work closely with their faculty and advisors to make sure they know the requirements that must be met and the appropriate sequences in which to take courses. RSC has a long history of helping students plan for and register in the courses they need to graduate in a timely manner; and students who elect to participate in the agreement may be assured that they will be able to enroll in courses allowing graduation in 2 years. To qualify, students must meet the following conditions:

1. Enter Rose State College as a freshman.
2. Choose a major that qualifies for the 2-year plan. Generally the program will not exceed the required 62 credit hours.
3. Be prepared to begin a 2-year plan in a major upon entry to RSC.
4. Stay on track by successfully completing a minimum of one-quarter of the necessary credits per semester.
5. Meet with an advisor in a timely manner to discuss progress toward graduation and registration.
6. Enroll in available courses needed for a program of study with the understanding that a specific course may not be available at the time or semester in which students would prefer to take it.
7. Be responsible for monitoring their own progress and understanding advice given by their advisor in order to stay on track toward graduation in 2 years.
8. Change majors only if, at the time of the change, all requirements for the new program can be met within the 2 years.
9. Remain in good academic standing as determined by RSC.
10. Accept responsibility for timely annual applications for all necessary financial assistance.
11. Notify in writing, prior to the beginning of classes in the term in which the course is needed, the appropriate division dean that graduation may be delayed due to the unavailability of a course.

In the event that RSC does not satisfy the commitments made herein, and students are unable to graduate on schedule due to the unavailability of a course (or courses), the College will choose one of the following:

1. Allow students to graduate in 2 years by substituting a different course (or courses), as determined by RSC for the unavailable course(s).
2. Allow students to graduate in 2 years by substituting an independent study assignment, as determined by the department and RSC.
3. Allow the unavailability of a course (or courses) to delay students from graduating in 2 years, in which case, the College will permit the student to take, with a waiver of tuition charges, the unavailable course(s) in a later term.

Guidelines for the Transfer of Students Among Institutions (Articulation)

In order that students completing the Associate in Arts and Associate in Science degree requirements at Rose State College may move vertically through the State System with a minimum loss of time and financial outlay, the following guidelines for transfer of students among institutions have been adopted for The Oklahoma State System of Higher Education:

1. Students who have completed the prescribed lower-division requirements of a State System institution developed in accordance with the standards set forth, including the basic 33-semester-hour general education core, may transfer into a Bachelor of Arts or a Bachelor of Science degree program at any senior institution of the State System and be assured of completing their program in sequential fashion. Senior institutions may, with the approval of the State Regents, require that transferring students complete additional general education work for the degree. However, such additional work shall be programmed as a part of the upper-division requirements of the senior institution in

order that any student shall be able to complete a baccalaureate program in a number of semester hours equal to the total specified for graduation published in the receiving institution's official catalog.

2. It is understood, however, that it might be necessary for teacher education candidates to take additional courses in general education to meet minimum certification requirements of other professional fields. It is also understood that the completion of these requirements does not preclude requirements of senior institutions of particular grade points for admission to professional departments or fields.
3. It is further understood that it is the responsibility of the transferring institution to provide adequate counseling to enable students to complete during the freshman and sophomore years those lower-division courses which are published prerequisites to pursuit of junior-level courses in their chosen major disciplinary field.
4. The baccalaureate degree in all Oklahoma senior-level institutions shall be awarded in recognition of lower-division (freshman-sophomore) combined with upper-division (junior-senior) work. The lower-division general education requirements of the baccalaureate degree shall be the responsibility of the institution awarding the associate degree, provided the general educational requirements specified herein are met. If, for any reason, students have not completed an approved general education program prior to their transfer to another institution, the general education requirements shall become the responsibility of the receiving institution.
5. Lower-division programs in all state institutions enrolling freshmen and sophomores may offer introductory courses which permit the student to explore the principal professional specializations that can be pursued at the baccalaureate level. These introductory courses shall be adequate in content to be fully counted toward the baccalaureate degree for students continuing in such a professional field of specialization. The determination of the major course requirements for a baccalaureate degree, including courses in the major taken in the lower-division, shall be the responsibility of the institution awarding the degree. However, courses classified as junior-level courses yet open to sophomores at senior institutions, even though taught at a junior college as sophomore-level courses, should be transferable as satisfying that part of students' requirement in the content area.
6. Other associate degrees and certificates may be awarded by institutions for programs which have requirements different from the aforementioned degrees, or a primary objective other than transfer. Acceptance of course credits for transfers from such degree or certificate programs will be evaluated by the receiving institution on the basis of applicability of the courses to the baccalaureate program in the students' major field. Each receiving institution is encouraged to develop admission policies that will consider all factors indicating the possibility of success for these students in its upper-division.
7. Each baccalaureate degree-granting institution shall list and update the requirements for each program leading to the baccalaureate degree and shall publicize these requirements for use by all other institutions in the State System. Each baccalaureate degree-granting institution shall include in its official catalog information stating all lower-division prerequisite requirements for each upper-division course. All requirements for admission to a university, college, or program should be set forth with precision and clarity. The catalog in effect at the time of students' initial full-time enrollment in a college or university shall govern lower-division prerequisites, provided that they have had continuous enrollment as defined in the RSC Academic Catalog.
8. An advisory articulation committee, composed of representatives of the various types of institutions within the Oklahoma State System of Higher Education, shall be established to work with the State Regents' staff to review and evaluate articulation policies and practices and to make recommendations for improvement as needed.

Transfer Credit Evaluation

Transcripts of coursework previously completed at institutionally-accredited institutions of higher learning will be accepted, although not all credit necessarily will apply toward degree requirements. Courses with grades of “D” may not meet degree or course prerequisite requirements if the RSC Academic Catalog specifies a higher grade is required for satisfactory completion.

In many instances, general education courses from institutionally-accredited institutions will transfer on a one-to-one basis. However, Rose State College reserves the right to require a course syllabus and/or other materials and information for review before making a determination as to the transfer and applicability of courses. Courses from institutions participating in the Oklahoma Course Equivalency Project are guaranteed transfer as indicated on the Oklahoma State Regents for Higher Education’s Transfer Matrix: www.okcoursetransfer.org.

Credit for courses from institutions not using a traditional semester academic calendar will be converted to semester hour credits. Grade points earned at institutions using any method other than the traditional 4.0 system will be converted to the 4.0 system.

An analysis of transfer credit will be performed for students who are currently enrolled. Students must have official transcripts from all colleges attended on file in the Office of Admissions and Records. Once these documents have been submitted, they become a permanent part of the student’s record at Rose State College. Official documents will not be returned, reissued, or copied for distribution. Transcripts from other institutions, if needed, must be obtained directly from the institution where they were originally issued.

Graduate level transcripts will not be evaluated automatically. If undergraduate coursework was taken in a graduate program, students can request that their graduate transcript be evaluated for undergraduate coursework.

RSC may evaluate transcripts from unaccredited colleges as outlined in State Regent's policy and on the basis of the recommendations contained in the current issue of the Report of Credit Given by Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers. Students must contact the Office of Admissions and Records for more information.

Transcripts are defined by the Oklahoma State Regents for Higher Education as an official document issued by the institution with student information that is a complete and accurate reflection of a student's academic career. At minimum, an official transcript must include essential elements as referenced by the American Association of College Registrars and Admissions Officers Academic Record and Transcript Guide.

It is students' responsibility to furnish additional information to the College, if needed, to evaluate transfer credit, (i.e., course descriptions, catalogs, or syllabi).

Technical Transfer Credit Policy (Technology Centers)

Rose State College's policies for evaluating, awarding, and accepting technical credit for transfer are consistent with the College's mission and with the State's focus on aligning coursework to ensure a quality education through common learning outcomes reviewed by faculty experts in the discipline.

RSC may only accept transfer of technical credits from an Oklahoma technology center towards technical major degree requirements in a college technical certificate, an associate in applied science degree, or a technology baccalaureate degree in which RSC faculty have documented expertise.

Transfer of technical credits from a technology center that is part of the Oklahoma Technology Center System will be evaluated using the Statewide Technical Course Articulation Matrix from the Oklahoma State Regents for Higher Education (OSRHE). Academic credit earned for technical courses appearing on an official transcript from an Oklahoma technology center and listed on the Statewide Technical Course Articulation Matrix will be processed by RSC's Office of Admissions and Records. At this time, we do not have any transfer courses listed on the Statewide Technical Course Articulation Matrix. The only technology center credit that the College accepts, at this time, is through Contractual Agreement and Prior Learning Assessment (PLA). These courses will appear on the matrix, however are not eligible for transfer credit. The Office of Admissions and Records will follow The Undergraduate Transfer and Articulation policy from the OSRHE.

Transfer of technical credits based on a different unit of credit than the one used at RSC is subject to conversion before being transferred. Only official transcript and technical course evaluations based on the OSRHE Statewide Technical Course Articulation Matrix and processed by RSC's Office of Admissions and Records are official. Any preliminary reviews by campus personnel are unofficial and not binding, and subject to change.

Technical credits may be subject to minimum grade requirements as determined by the accreditation, licensure, or other programmatic requirements of RSC. Grades do not transfer in and are not calculated in RSC's grade point average (GPA). A neutral grade of "S" will be recorded. Credits earned will be added to the student's overall credit hours earned.

Degree Audits

The completed Degree Audit verifies acceptance by Rose State College of credit hours earned from RSC or another institution of higher education (within or outside of the state of Oklahoma). For students transferring credit hours from another institution of higher education, the Degree Audit Application should be submitted within the first semester of entering RSC, after all official transcripts have been submitted to the Admissions and Records Office. Students who have completed 30 credit hours toward their major should submit the Degree Audit Application to the Graduation Office or the Office of Admissions and Records. After receiving the completed Degree Audit, the student should visit with their Academic Advisor for planning degree completion. The Office of Admission and Records is located on the first floor of the Administration Building and may be reached at (405) 733-7308. The Degree Audit Application and other helpful resources to complete the RSC degree are on the website: rose.edu/content/academics/student-services/graduation-office/

Graduation Policies

These procedures shall constitute the exclusive remedy for the 2-Year Graduation Plan agreement. Rose State College is under no obligation to provide these adjustments unless students submit a written request for accommodation to the Vice President for Academic Affairs prior to the beginning of classes in the last term of their 2-year plan. An agreement form should be obtained from the student's academic advisor upon initial enrollment.

The transfer guidelines became effective for institutions granting the associate degree in Arts or Science (AA or AS) beginning with the 1976 Fall semester. Those institutions offering baccalaureate programs implemented the policy effective in the Fall 1978 semester. The official catalog provided by each baccalaureate degree-granting institution provides pertinent information about admission policies and programs that is essential to the successful transfer of a student to that college or university. Therefore, a student desiring to transfer into a program at a 4-year institution is advised to secure and official catalog of that college or university.

- **Grade Point Average Requirements for Graduation**: Students pursuing the Associate in Arts, Associate in Science, and Associate in Applied Science degree must have at least a 2.0 grade point average to graduate. The grade point average includes all coursework attempted but excludes any coursework repeated, reprieved or renewed under the terms of RSC's Academic Forgiveness Policy, including transfer credit from all accredited institutions of higher education attended, and 0-level course grades.
- **Academic Residency Requirements for Graduation**: A minimum of 15 credit hours at the 1000-level or higher must be earned in residence at RSC before a degree will be conferred. Students wishing to earn a certificate are required to earn at least 4 hours of a 15-hour (or less) program, 9 hours of a 16- to 36-hour program or 12 hours of a 37- to 49-hour program at RSC.
- **Deficiencies/Proficiencies to Be Completed Before Graduation**: All high school curricular deficiencies and performance proficiencies must be cleared, as required by the chosen degree program.
- **Total Hours Required for Graduation**: Students must complete a minimum of 60 credit hours at the 1000-level or higher, including all degree requirements, for an Associate in Arts, Associate in Science, or Associate in Applied Science degree.
- **Transfer Transcript Credit/Grade Changes:** All academic records, including official transcripts from all institutions of higher education attended; any grade changes, including the completion of "I" (Incomplete) coursework; course substitutions; and prior learning credit, must be on file in the Office of Admissions and Records prior to the awarding of a degree. Documents received after the last day of the month in which degree course requirements are completed will result in the degree being posted for the next semester.
- **Graduation Fee**: The $15 graduation fee for each degree granted must be paid before the end of the semester in which the student plans to complete the degree requirements. Transcripts reflecting degree earned are available approximately 4 weeks after the close of each term (Fall, Spring, Summer). Diplomas are mailed approximately 6 weeks following the close of the semester in which the degree is earned. NOTE: At this time, a contributing corporation pays the $15 graduation fee for each graduating student; however, this is subject to change.
- **Commencement**: Commencement is held once each year, at the end of the Spring semester. Students are encouraged to participate in the commencement ceremony. Students who complete degree requirements in the preceding Fall semester may participate. Also, students who are candidates for Spring and Summer graduation are strongly encouraged to participate in the ceremony. Information on ordering caps and gowns for the ceremony is available each Spring in the Graduation Services Office or the RSC Bookstore.
- **Graduation Deadlines**: Students must apply all coursework and submit all transcripts in accordance with the following deadlines to be considered for graduation:
  A) Last working day of August for Summer graduation date.
  B) Last working day of January for Fall graduation date.
  C) Last working day of May for Spring graduation date.

Degree Qualifications

Students can enhance the pursuit of a degree by working on the following:

- **Additional Options or Area of Emphasis Within a Degree Program**: Students may complete more than one option or area of emphasis within a degree program. The diploma will reflect only the degree earned, and documentation of the additional option(s) or area(s) of emphasis will be provided on an official transcript.
- **Double Majors for Associate Degree**: A double major is not the same as an additional associate degree. Students must make a request in order to pursue a double major and it must be approved by either the Graduation Office or the Office of the Registrar. All double majors could be subject to the additional fifteen (15) hour requirement if the student does not have enough unique credit hours to constitute a double major. A student may not pursue a double major in two general degrees. If the degrees are too similar and like coursework is being used for each degree with no additional hours left over, then the request will be denied.
- **Earning an Additional Associate Degree**: An associate degree for a different major may be granted once the student completes 15 additional hours in residence at RSC. The additional 15 credit hours must apply toward the additional degree. These hours are completed after students have already received a prior degree at RSC.

Degrees & Programs

Bachelor program (Bachelor in Applied Technology)

Bachelor of Applied Technology in Cybersecurity

University Parallel Programs, Areas of Emphasis, Options & Certificates

Associate in Arts (AA) and Associate in Science (AS)

The Program Requirements for the major leading toward an associate degree are set by the appropriate division. Major requirements are listed in this Catalog under the appropriate program heading. The general education requirements are determined according to the degree issued. Specialization is available within some degree programs as areas of emphasis, options, or certificates. Students are encouraged to speak with an academic advisor regarding program and transfer information.

Artificial Intelligence & Machine Learning Technologies

Aviation Management

Baccalaureate Track-Allied Health
- Pre-Dietetics Option
- Pre-Medical Imaging Option
- Pre-Occupational Therapy Option
- Pre-Physical Therapy Option

Baccalaureate Track-Nursing

Biological Science

Business

Chemistry
- Chemical Science Option
- Pre-Pharmacy Option
- Pre-Professional Health Care Option

Criminal Justice
- Criminal Justice Option
- Police Science Option

Data Science & Analytics

Earth & Environmental Sciences
- Atmospheric Sciences Option
- Earth Science Education Option
- Environmental Quality/Safety Option
- Geology Option
- Natural Resources Option
- Science & Analytical Option

Engineering
- Electrical/Computer Option
- General Option
- Mechanical/Aerospace Option

English

Enterprise Development (Reach Higher)
- Aviation Emphasis
- Reach Higher Emphasis

Family Services & Child Development
- Administration Option
- Child Development Option
  - Certificate of Mastery in Child Development**
- Family Services Option

Fine Arts
- Art Emphasis
- Music Emphasis
- Musical Theatre Emphasis
- Photography Emphasis
- Theatre Emphasis

General Science

Health & Sports Sciences
- Exercise/Fitness Management Option**
- Health, Physical Education & Recreation Option**
- Personal Trainer Option**

History
- General Option
- Native American Studies Option**

Liberal Studies
- Cultural Studies Emphasis
- Interdisciplinary Studies Emphasis**
- Philosophy Emphasis

Mass Communication

Mathematics
- Computer Science Emphasis
- Education Emphasis
- General Emphasis

Modern Languages
- Spanish Emphasis
  - Intermediate Spanish Proficiency**

Physics

Political Science

Pre-Education

Psychology

Social Sciences

Sociology
- Counseling/Social Work Option
- Gender Studies Option
- Sociology Option

**Embedded certificate

Technical Programs & Certificates
Associate in Applied Science (AAS)

The primary purpose of Associate in Applied Science degree programs is to prepare students for job entry or advancement; however, in many cases, many of the classes may be transferred to a 4-year institution and applied to certain bachelor degree programs. Some degrees provide coursework that emphasizes specialization within the career field. For specific information, please consult an academic advisor.

Accounting
- Accounting Software Specialist**
- Accounting Specialist**
- Payroll Accounting**
- Professional Bookkeeping**

Applied Technology
- Aerospace Technology Option

Business Administration
- General Business Administration Option**
- Human Resources Option**
- Management Option**
- Marketing/Social Media Option**
- Small Business Operations Option**
- Supply Chain Management & Logistics**

Computer & Information Technology
- Database Option**
- Programming Option**

Cybersecurity**

Dental Assisting

Dental Assisting Certificate

Dental Hygiene

Engineering Technology
- Advanced Design Option
- Electronics Option
- Mechanical Systems Option
- Quality Assurance Option

Family Services & Child Development

Film Studies & Digital Media
- Digital Media Option
- Film Studies Option

Health Information Management

Library Technical Assistant

Medical Laboratory Technology
- 1-Year Option

Multimedia Digital Design
- Digital Graphic Design**
- Web Development**

Nursing Science

Paralegal Studies

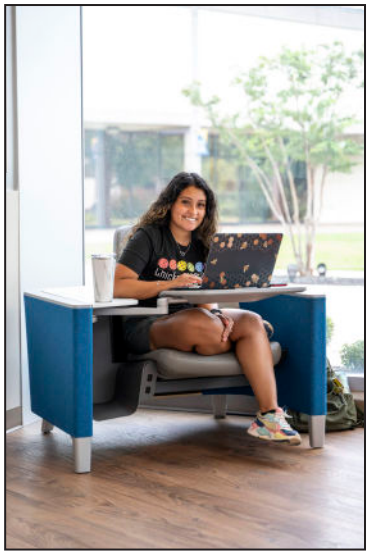
Radiologic Technology

Respiratory Therapist

Certificate Only:
- Coding Specialist

** **Embedded certificate**

Academic Divisions



Business & Information Technology

Page 51

Health Sciences

Page 97

Liberal Arts & Sciences

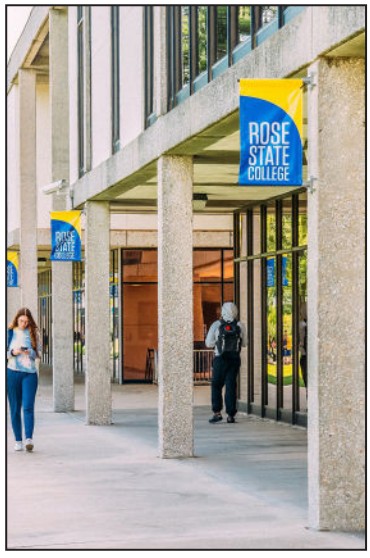
Page 123

STEM

Page 220

Academic Outreach

Page 311



Workforce Development

Page 318

Business & Information Technology Division

Programs

Bachelor Degree

Bachelor of Applied Technology in Cybersecurity

BAT program requires program application.

Associate in Science Degrees

Business

Associate in Applied Science Degrees, Options/Emphases & Certificates

Accounting

Accounting Software Specialist**
Accounting Specialist**
Payroll Accounting**
Professional Bookkeeping**

Business Administration

General Business Administration**
Human Resources **
Management **
Marketing/Social Media**
Small Business Operations**
Supply Chain Management & Logistics**

Computer & Information Technology

Database**
Programming**

Cybersecurity**

Multimedia Digital Design

Digital Graphic Design**
Web Development**

Paralegal Studies

** Embedded certificate

Bachelor of Applied Technology in Cybersecurity Degree
(131 Credit Hours Min.)

Program Goals & Outcomes
The Bachelor of Applied Technology in Cybersecurity prepares students for employment in local, state and federal agencies as well as private positions such as Cybersecurity analysis, Cybersecurity threat analyst, product manager cyber management, Cyber threat vulnerability, incidence response, Digital Forensics, Cybersecurity tester, compliance risk analysis.

Upon degree completion, students will be able to:

1. Implement best practices and risk management in Cybersecurity;
2. Communicate verbally and written in a professional environment related to Cybersecurity;
3. Develop skills to investigate, detect, contain, and detour unauthorized access of computer networks;
4. Analyze the relationships between the laws, ethics, privacy, and security;
5. Analyze and evaluate technologies in wireless, remote access, and digital forensics; and
6. Perform duties as a Cybersecurity professional.

Program Outcomes
Students will be employable in the area of Cybersecurity and will be prepared to pass industry certification examinations.

Program Entrance Requirements
Admission to Rose State College.
Completion of an Associate in Applied Science degree or higher with a cumulative GPA of 2.5 or higher.
Students must complete all technical coursework with a grade of C or higher and maintain an overall cumulative GPA of 2.5 or higher to graduate.

Note
All 3000 and 4000 level course enrollment is limited to program students.

Degree Awarded
Bachelor in Applied Technology

Contact Information
Business & Information Technology Division
(405) 733-7340

Program Director, Professor Ken Dewey
(405) 733-7977

Cybersecurity Advisor
cyberadvisor@rose.edu

BACHELOR OF APPLIED TECHNOLOGY IN CYBERSECURITY DEGREE

(131 CREDIT HOURS MIN.)

GENERAL EDUCATION REQUIREMENTS (40 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Mathematics (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1513 College Algebra+		
MATH 2103 Discrete Mathematics+		
Humanities (6 hours minimum)		
PHIL 2303 Introduction to Ethics+ **OR** PHIL 2603 Ethics of Data Science+		
Humanities Elective—See courses listed in the RSC Academic Catalog.		
Sciences (7 hours minimum—one must include lab)		
Acceptable courses include HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, PHYS.		
Liberal Arts (6 hours)		
ECON 2103 Personal Finance		
Liberal Arts Elective—See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (48 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1113 Fundamentals of Programming Logic **OR** any Programming Language		
CIT 1203 Script Programming+		
CIT 1503 Network+ Certification Preparation		
CIT 1523 Computer Hardware & Operating Systems		
CIT 1533 Principles of Cybersecurity		
CIT 1613 Introduction to Java® Programming+		
CIT 2053 Network Administration		
CIT 2243 Unix®/Linux®		

BACHELOR OF APPLIED TECHNOLOGY IN CYBERSECURITY DEGREE
(131 CREDIT HOURS MIN.)

PROGRAM REQUIREMENTS, Continued

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 2323	Security+ Certification Preparation	
CIT 2433	Cloud+ Certification Preparation	
CIT 2523	Information Security Management+	
CIT 2533	Ethics in Information Technology	
CIT 2553	Digital Forensics+	
CIT 2563	Cryptography & Trusted Systems+	
CIT 2603	Ethical Hacking and Systems Defense+	
CIT 2633	Enterprise Threat Assessment+	

UPPER DIVISION COURSES (43 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

BA 3001	Employment Orientation+	
CIT 3103	Applied Incident Response+	
CIT 3113	Applied Security Scripting+	
CIT 3123	Applied Virtualization Fundamentals	
CIT 3203	Applied Reverse Engineering+	
CIT 3213	Applied Data Recovery and Reporting+	
CIT 3223	Applied Networking Forensics+	
CIT 3303	Applied Networking Design and Configuring+	
CIT 3403	Applied Cloud Computing	
CIT 4003	Data Structures+	
CIT 4013	Application Development+ **OR** CIT 4023 Applied Mobile Development+	
CIT 4806	IT Internship+	
CIT 4903	BAT Capstone+ **OR** proof CISM/CISSA/CISSP Certification	
MGMT 4113	IT Project Management	

Bachelor of Applied Technology in Cybersecurity Degree
(131 Credit Hours Min.)

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester (1st 8 week) CIT 1613 Intro to Java Programming+ (1st 8 week) MATH 1513 College Algebra+ (2nd 8 week) CIT 3103 Applied Incident Response+ (2nd 8 week) CIT 3113 Applied Security Scripting+ (2nd 8 week) MATH 2103 Discrete Mathematics+	**1st Spring Semester** (1st 8 week) PHIL 2303 Introduction to Ethics+ **OR** PHIL 2603 The Ethics of Data Science+ (1st 8 week) CIT 3123 Applied Virtualization Fundamentals (1st 8 week) PHSC 1313 General Physical Science+ (2nd 8 week) CIT 3203 Applied Reverse Engineering+ (2nd 8 week) 3 hours of Humanities Electives
1st Summer Semester CIT 3213 Applied Data Recovery and Reporting+ GEOG/BIOL	**2nd Fall Semester** (1st 8 week) CIT 3223 Applied Networking Forensics+ (1st 8 week) MGMT 4113 IT Project Management (2nd 8 week) CIT 3303 Applied Networking Design & Configuration+ (2nd 8 week) CIT 3403 Applied Cloud Computing
2nd Spring Semester (1st 8 week) CIT 4003 Data Structures+ (1st 8 week) CIT 4013 Application Development+ **OR** CIT 4023 Applied Mobile Development+ (2nd 8 week) CIT 4806 IT Internship+ (2nd 8 week) CIT 4903 BAT Capstone+	**Interim Session (Any Semester)** BA 3001 Employment Orientation

Accounting Associate in Applied Science Degree
(63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Accounting Degree Program is to provide basic accounting and business knowledge as a foundation for students who pursue professional opportunities in government, industry, financial institutions and nonprofit organizations. Accountants are expected to play key roles in the management of growing companies. The overall goal of the Accounting AAS Degree Program is to prepare students to assume employment in a position with accounting responsibilities. Upon degree completion, students will be able to:

1. Develop the skills necessary to succeed in accounting related jobs in various industries;
2. Utilize computer software specific to accounting;
3. Interpret and apply accounting principles;
4. Understand and apply current accounting principles and practices, including tax theory and law; and
5. Effectively communicate through various media.

The embedded certificates listed are designed to:

1. Prepare students who have successfully completed these courses to enter the workforce;
2. Refresh the students' skills that are required within the accounting field; and
3. Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificates may be applied to an AAS Degree where students may be eligible to receive both Certificate(s) and an AAS Degree.

National Certifications

Students have the option to earn several national certifications from Intuit and the National Bookkeeper's Association within courses taken in the program. Student discounts on exams taken within the courses are available. Coursework also prepares students for the Certified Public Bookkeeper license.

Degree Awarded

Associate in Applied Science and/or
Accounting Certificate(s)

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Accounting Associate in Applied Science Degree
(63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (33 hours)

Students must earn a "C" or better in all ACCT courses to be eligible for graduation.

ACCT 1123 College Accounting Procedures++		
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		
ACCT 2403 Personal Income Tax		
ACCT 2313 Intermediate Accounting I+		
ACCT 2323 Cost Accounting+		
ACCT 2333 Intermediate Accounting II+		
ACCT 2803 Excel® Accounting+		
BA 2413 Business Ethics		
BA 2503 Business Communication		
CIT 1093 Microcomputer Applications		

PROGRAM ELECTIVES (9 hours)

Students must earn a "C" or better in all ACCT courses to be eligible for graduation.

See Program Electives on next page.

SUPPORT & RELATED (3 hours)

Students must earn a "C" or better to be eligible for graduation.

Any 3-hour course not previously taken from the following prefixes: ACCT, BA, CIT or ECON.

+Check course description for prerequisites that must be met.
++Required unless Financial Accounting was successfully completed at a qualifying institution.

Accounting Associate in Applied Science Degree
(63 Credit Hours Minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Math Electives
Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Program Electives
ACCT 2191-3 Accounting Internship+
ACCT 2413 Small Business Income Tax
ACCT 2503 Payroll Accounting+
ACCT 2603 QuickBooks® Accounting+
ACCT 2723 Professional Bookkeeping+

Suggested Order of Enrollment
The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Associate in Applied Science Degree requirement courses have been determined. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures ACCT 2403 Personal Income Tax CIT 1093 Microcomputer Applications 3-6 hours of General Education Requirements 3 hours of Support & Related	ACCT 2103 Financial Accounting+ BA 2413 Business Ethics ECON 2103 Personal Finance 3 hours of Program Electives 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
ACCT 2203 Managerial Accounting+ ACCT 2313 Intermediate Accounting I+ ACCT 2803 Excel® Accounting+ 3 hours of Program Electives 3-6 hours of General Education Requirements	ACCT 2323 Cost Accounting+ ACCT 2333 Intermediate Accounting II+ BA 2503 Business Communication 3 hours of Program Electives 3-6 hours of General Education Requirements

Payroll Accounting Certificate Required Courses–18 Hours
To receive a certificate, students must earn a C or better in these courses. The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		
ACCT 2503 Payroll Accounting+		
ACCT 2603 QuickBooks® Accounting+		
ACCT 2803 Excel® Accounting+		
CIT 1093 Microcomputer Applications		

+Check course description for prerequisites that must be met.

Accounting Associate in Applied Science Degree
(63 Credit Hours Minimum)

Professional Bookkeeping Certificate Required Courses–18 Hours
To receive a certificate, students must earn a C or better in these courses. The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

SEMESTER COMPLETED	GRADE/CREDIT HRS.	
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		
ACCT 2603 QuickBooks® Accounting+		
ACCT 2723 Professional Bookkeeping+		
BA 2413 Business Ethics		
BA 2503 Business Communication		

Accounting Software Specialist Certificate Required Courses–18 Hours
To receive a certificate, students must earn a C or better in these courses. The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

SEMESTER COMPLETED	GRADE/CREDIT HRS.	
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		
ACCT 2403 Personal Income Tax		
ACCT 2603 QuickBooks® Accounting+		
ACCT 2803 Excel® Accounting+		
CIT 1093 Microcomputer Applications		

Accounting Specialist Certificate Required Courses–24 Hours
To receive a certificate, students must earn a C or better in these courses. The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

SEMESTER COMPLETED	GRADE/CREDIT HRS.	
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		

Any 18 hours of additional ACCT courses.

+Check course description for prerequisites that must be met.

Business Associate in Science Degree
(64 Credit Hours Minimum)

Program Goals & Outcomes
The goal of the Business Associate in Science Degree is to provide students a transferable foundation so that they can continue their education at a 4-year college or university. Specifically, the objectives of the program include providing students with the accepted and articulated general education content that will prepare them to continue toward achieving their goals of earning a baccalaureate degree in business.

The advantages of students completing this Program prior to transferring to a 4-year university include:

1. Upon graduation, the courses taken will meet all general education and support requirements at any Oklahoma public institution;
2. Smaller class sizes, allowing for more personalized instruction taught by degreed faculty in the field;
3. Faculty who are committed to students and instruction;
4. Quality preparation for success at a university; and
5. Considerable savings in cost of tuition and fees.

Degree Awarded
Associate in Science

Contact Information
Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

BUSINESS ASSOCIATE IN SCIENCE DEGREE
(64 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours minimum—one must include lab)		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1483 or MATH 1513 to be eligible for graduation.		
MATH 1483 Functions and Modeling+ **OR** MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
ECON 2103 Personal Finance		
General Education (6 hours minimum)		
Students must earn a "C" or better in MATH 1743 to be eligible for graduation.		
MATH 1743 Calculus I for Business, Life, & Social Sciences+		
MCOM 1213 Public Speaking		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ACCT 2103 Financial Accounting+		
ACCT 2203 Managerial Accounting+		
ECON 2303 Principles of Microeconomics		
ECON 2403 Principles of Macroeconomics		
ECON 2843 Elements of Statistics+		

SUPPORT & RELATED ELECTIVES (12 hours)		
ACCT 1123 College Accounting Procedures		
Any ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT prefixes not already used. See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Business Associate in Science Degree
(64 Credit Hours Minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Support & Related Electives
Students may take any Business & Information Technology division course not already included as a requirement. The acceptable prefixes from the BIT division are any 9 hours of the following list: ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT.

Suggested Order of Enrollment
The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Associate in Science Degree requirement courses have been determined. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures ECON 2103 Personal Finance Any Support & Related BIT course from ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT 3-6 hours of General Education Requirements	ACCT 2103 Financial Accounting+ ECON 2303 Principles of Microeconomics MATH 1483 Functions & Modeling+ **OR** MATH 1513 College Algebra+ Any Support & Related BIT course from ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
ACCT 2203 Managerial Accounting+ ECON 2403 Principles of Macroeconomics MCOM 1213 Public Speaking Any Support & Related BIT course from ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT 3-6 hours of General Education Requirements	ECON 2843 Elements of Statistics+ MATH 1743 Calculus I for Business, Life, & Social Sciences+ Any Support & Related BIT course from ACCT, BA, CIT, ECON, LS, MGMT, MKTG, and MULT 3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree General Business Administration Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the General Business Administration Option is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the business field. The coursework students complete in the general business administration option will enhance their ability to become an ethical, responsible, decisive, organized, analytical, and critical-thinking business people with exposure to cultural diversity and interacting with those who possess alternative business styles. Whether students are attaining certification and/or an AAS Degree in this field, they can seek a career in a wide field of business occupations. Upon degree completion, students will be able to:

1. Analyze various business scenarios critically and make informed decisions;
2. Implement the tools they need to be successful in any business environment;
3. Promote self, service, and products to a receptive and a non-receptive audience;
4. Communicate through various media to convey, promote, and interpret information; and
5. Micro- and macro-manage people to improve the operation of a business.

The certificate, which is embedded in the General Business Administration Option Requirements listed on the next page, is designed to:

1. Prepare students who have successfully completed these courses to enter the workforce;
2. Refresh the students' skills that are required within the business field; and
3. Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
General Business Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

BUSINESS ADMINISTRATION ASSOCIATE IN APPLIED SCIENCE DEGREE
GENERAL BUSINESS ADMINISTRATION OPTION (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in all courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
BA 2203 Business Law I		
BA 2413 Business Ethics		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

MGMT 2803 Supply Chain Management & Logistics		
MGMT 2153 Teambuilding & Conflict Management **OR** BA 2733 Employee Coaching and Counseling		
MGMT 2203 Human Resources Management		
MGMT 2703 Small Business Management		
MKTG 1503 Concepts of Selling **OR** MKTG/MCOM 2213 Principles of Advertising		
Any 3-hour course not previously taken from the following prefixes: ACCT, BA, ECON, MGMT or MKTG		

+Check course description for prerequisites that must be met.

Business Administration Associate in Applied Science Degree General Business Administration Option (63 Credit Hours Minimum)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

General Business Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
MGMT 2803 Supply Chain Management & Logistics		
MGMT 2153 Teambuilding & Conflict Management OR BA 2733 Employee Coaching and Counseling		
MGMT 2203 Human Resources Management		
MGMT 2703 Small Business Management		
MKTG 1503 Concepts of Selling OR MKTG/MCOM 2213 Principles of Advertising		
Any 3-hour course not previously taken from the following prefixes: ACCT, BA, ECON, MGMT OR MKTG		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures BA 1303 Introduction to Business BA 2203 Business Law I CIT 1093 Microcomputer Applications 3-6 hours of General Education Requirements	BA 2413 Business Ethics ECON 2103 Personal Finance MGMT 2103 Principles of Management MGMT 2803 Supply Chain Management & Logistics 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
BA 2503 Business Communication MGMT 2153 Teambuilding & Conflict Management (**OR** BA 2733 Employee Coaching and Counseling in the Spring semester) MKTG 2103 Principles of Marketing 3-6 hours of General Education Requirements	MGMT 2203 Human Resources Management MGMT 2313 Introduction to Management Information Systems MGMT 2703 Small Business Management Any 3 hour course not previously taken from the following prefixes: ACCT, BA, ECON, MGMT **OR** MKTG 3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree Human Resources Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Human Resources Option is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the human resources field. In addition, this Program is designed to augment the skills and knowledge of current HR professionals and other managerial personnel. The coursework students complete in the human resources option will enhance their ability to become training specialists, compensation analysts, recruiters, employee relation specialists, or human resources generalists, or they can choose from a vast array of titles in this exciting career field. Upon degree completion, students will be able to:

1. Implement the necessary skills that are needed in the training and development of human resources;
2. Facilitate an effective workforce in developing labor-management relations;
3. Facilitate a successful work environment with a comprehensive foundation of the legal aspects dealing with employment law;
4. Hire, fire, and promote people in small or large organizations;
5. Coach and counsel employees to resolve problems and improve productivity and job satisfaction; and
6. Develop and implement compensation strategies.

The certificate, which is embedded in the Human Resources Option Requirements listed on the next page, is designed to:

1. Prepare students who have successfully completed these courses to enter the workforce;
2. Refresh the students' skills that are required within the business field; and
3. Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
Human Resources Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Business Administration Associate in Applied Science Degree
Human Resources Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in all courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
BA 2203 Business Law I		
BA 2413 Business Ethics		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

BA 2703 Training and Development		
BA 2733 Employee Coaching & Counseling		
BA 2743 Recruitment & Interviewing		
BA 2793 Compensation		
MGMT 2203 Human Resources Management		
MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Business Administration Associate in Applied Science Degree Human Resources Option (63 Credit Hours Minimum)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Human Resources Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
BA 2703 Training and Development		
BA 2733 Employee Coaching & Counseling		
BA 2743 Recruitment & Interviewing		
BA 2793 Compensation		
MGMT 2203 Human Resources Management		
MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures	BA 2203 Business Law I
BA 1303 Introduction to Business	BA 2703 Training and Development
BA 2413 Business Ethics	BA 2733 Employee Coaching & Counseling
CIT 1093 Microcomputer Applications	BA 2743 Recruitment & Interviewing
3-6 hours of General Education Requirements	3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
BA 2503 Business Communication	ECON 2103 Personal Finance
BA 2793 Compensation	MGMT 2313 Introduction to Management Information Systems
MGMT 2103 Principles of Management	MKTG 2103 Principles of Marketing
MGMT 2503 Project Management	MGMT 2203 Human Resources Management
3-6 hours of General Education Requirements	3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree Management Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Management Option is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the management field. The coursework in the management option will enhance students' ability to become human resource professionals or mid- to upper-level managers, or part of a team that oversees business operations. Upon degree completion, students will be able to:

1. Implement the skills needed in the development and facilitation of an office environment;
2. Interact with people from diverse backgrounds to improve employee relations and office productivity;
3. Manage employees in small and large scale organizations;
4. Micro- and macro-manage people in a variety of business settings to improve overall productivity; and
5. Develop goals within an organization and follow through with established goals and be willing to adjust the goal set to coexist with the current business climate.

The embedded certificate, which is the Management Option Requirements listed on the next page, is designed to:

1. Prepare students who have successfully completed these courses to enter the workforce;
2. Refresh the students' skills that are required within the business field; and
3. Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
Management Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Business Administration Associate in Applied Science Degree Management Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in all courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
BA 2203 Business Law I		
BA 2413 Business Ethics		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

BA 2703 Training and Development **OR** MGMT 2803 Supply Chain Management & Logistics		
BA 2743 Recruitment & Interviewing		
ECON 2503 Introduction to Investments		
MGMT 2153 Teambuilding & Conflict Management		
MGMT 2203 Human Resources Management		
MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Business Administration Associate in Applied Science Degree Management Option (63 Credit Hours Minimum)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Management Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
BA 2703 Training and Development OR MGMT 2803 Supply Chain Management & Logistics		
BA 2743 Recruitment & Interviewing		
ECON 2503 Introduction to Investments		
MGMT 2153 Teambuilding & Conflict Management		
MGMT 2203 Human Resources Management		
MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary . Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures BA 1303 Introduction to Business BA 2413 Business Ethics CIT 1093 Microcomputer Applications 3-6 hours of General Education Requirements	BA 2703 Training and Development **OR** MGMT 2803 Supply Chain Management & Logistics ECON 2103 Personal Finance MGMT 2103 Principles of Management MKTG 2103 Principles of Marketing 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
BA 2203 Business Law I BA 2503 Business Communication MGMT 2153 Teambuilding & Conflict Management MGMT 2503 Project Management 3-6 hours of General Education Requirements	BA 2743 Recruitment & Interviewing ECON 2503 Introduction to Investments MGMT 2203 Human Resources Management MGMT 2313 Introduction to Management Information Systems 3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree Marketing/Social Media Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Marketing/Social Media Option is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the marketing and social media field. Graduates of this option may seek a career in the field of customer relations, promotions/advertising, or be part of a team that provides input into the development of a marketing and/or social media plan for a small to large business firm, including other areas in this exciting career field. Upon degree completion, students will be able to:

1. Use current technology, both hardware and software, in developing online marketing and advertising strategies;
2. Create interest in products and services and promote those products and services to a vast audience with various technologies;
3. Facilitate a successful work environment with a diverse audience, including all levels of management;
4. Promote products and services to an international market with ethical and responsible methods to ensure credibility; and
5. Develop fully the product/service marketing and/or social media plans for profit and nonprofit organizations.

The embedded certificate, which is in the Marketing/Social Media Option Requirements listed on the next page, is designed to:

1. Prepare students who have successfully completed these courses to enter the workforce;
2. Refresh the students' skills that are required within the business field; and
3. Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
Marketing/Social Media Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Business Administration Associate in Applied Science Degree Marketing/Social Media Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
OR MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877		
OR HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours)		
OR Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in all courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
BA 2203 Business Law I		
BA 2413 Business Ethics		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 2313 Capstone Project+		
MKTG 1503 Concepts of Selling		
MKTG/MCOM 2113 Digital Marketing Essentials		
MKTG/MCOM 2213 Principles of Advertising		
MULT/MCOM 1123 Social Media Tools & Strategies		
MULT 2003 Web Design		

+Check course description for prerequisites that must be met.

Business Administration Associate in Applied Science Degree Marketing/Social Media Option (63 Credit Hours Minimum)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Marketing/Social Media Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 2313 Capstone Project+		
MKTG 1503 Concepts of Selling		
MKTG/MCOM 2213 Principles of Advertising		
MKTG/MCOM 2113 Digital Marketing Essentials		
MULT/MCOM 1123 Social Media Tools & Strategies		
MULT 2003 Web Design		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures BA 2413 Business Ethics CIT 1093 Microcomputer Applications MULT/MCOM 1123 Social Media Tools & Strategies 3-6 hours of General Education Requirements	BA 1303 Introduction to Business BA 2203 Business Law I MGMT 2103 Principles of Management MKTG/MCOM 2113 Digital Marketing Essentials MULT 2003 Web Design
2nd Fall Semester	**2nd Spring Semester**
BA 2503 Business Communication ECON 2103 Personal Finance MKTG 1503 Concepts of Selling MKTG 2103 Principles of Marketing 3-6 hours of General Education Requirements	CIT 2313 Capstone Project+ MKTG/MCOM 2213 Principles of Advertising MGMT 2313 Introduction to Management Information Systems 3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree Small Business Operations Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Small Business Operations Option is to prepare students with the necessary knowledge and skills to operate a small business. Upon degree completion, students will be able to:

1. Manage and post financial information using current software and hardware;
2. Organize financial records for personal, business, and tax purposes;
3. Make analytical decisions regarding human resources, administration and insurance, and personal and business investment opportunities; and
4. Facilitate a business that will reduce the likelihood of identity theft, privacy corruption, and other ethical issues that relate to self, client, and business.

The embedded certificate, which is in the Small Business Operations Option Requirements listed on the next page, is designed to:

- Prepare students who have successfully completed these courses to enter the workforce;
- Refresh the students' skills that are required within the business field; and
- Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the embedded certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
Small Business Operations Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Business Administration Associate in Applied Science Degree
Small Business Operations Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
BA 2203 Business Law I		
BA 2413 Business Ethics		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

ACCT 2403 Personal Income Tax **OR** ACCT 2413 Small Business Income Tax **OR** ECON 2503 Introduction to Investments		
BA 2603 Starting Your Own Business		
MGMT 2203 Human Resources Management		
MGMT 2503 Prjocet Management **OR** MGMT 2803 Supply Chain Management & Logistics		
MGMT 2703 Small Business Management		
MKTG 1503 Concepts of Selling **OR** MKTG/MCOM 2213 Principles of Advertising		

+Check course description for prerequisites that must be met.

BUSINESS ADMINISTRATION ASSOCIATE IN APPLIED SCIENCE DEGREE SMALL BUSINESS OPERATIONS OPTION (63 CREDIT HOURS MINIMUM)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Small Business Operations Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ACCT 2403 Personal Income Tax OR ACCT 2413 Small Business Income Tax OR ECON 2503 Introduction to Investments		
BA 2603 Starting Your Own Small Business		
MGMT 2203 Human Resources Management		
MGMT 2503 Project Management OR MGMT 2803 Supply Chain Management & Logistics		
MGMT 2703 Small Business Management		
MKTG 1503 Concepts of Selling OR MKTG/MCOM 2213 Principles of Advertising		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures BA 1303 Introduction to Business BA 2413 Business Ethics CIT 1093 Microcomputer Applications 3-6 hours of General Education Requirements	ACCT 2403 Personal Income Tax OR ACCT 2413 Small Business Income Tax OR ECON 2503 Introduction to Investments BA 2203 Business Law I ECON 2103 Personal Finance MGMT 2103 Principles of Management 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
BA 2503 Business Communication BA 2603 Starting Your Own Business MGMT 2203 Human Resources Management MGMT 2503 Project Management OR MGMT 2803 Supply Chain Management & Logistics 3-6 hours of General Education Requirements	MKTG 1503 Concepts of Selling OR MKTG/MCOM 2213 Principles of Advertising MKTG 2103 Principles of Marketing MGMT 2313 Introduction to Management Information Systems MGMT 2703 Small Business Management 3-6 hours of General Education Requirements

Business Administration Associate in Applied Science Degree Supply Chain Management & Logistics Option (63 Credit Hours Min.)

Program Goals & Outcomes

The goal of the Supply Chain Management & Logistics Option is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the supply chain and/or logistics field. The coursework students complete in the Supply Chain Management & Logistics option will enhance their ability to enter or advance within the career paths focused on the supply chain and logistics operations of industry. Whether students are attaining certification and/or an AAS degree in this field, they can seek a career in a wide field of business occupations including, but not limited to logistics analyst, production, planning and expediting clerk, supply chain coordinator or purchasing agent. Upon degree completion the students will be able to:

1. Implement an understanding of the importance and positioning of supply chain management and logistics to the formation of business strategy and the conduct of supply chain operations;
2. Understand the importance and implications of a consumer-focused supply chain and logistics strategy;
3. Develop an in-depth understanding of logistics operating areas and their functions; and
4. Develop an understanding of the impact globalization plays on supply chain and logistics.

The embedded certificate, which is the Supply Chain Management & Logistics listed on the next page, is designed to:

- Prepare students who have successfully completed these courses to enter the workforce;
- Prepare students with an understanding of career path options in supply chain and logistics;
- Refresh the students' skills that are required within the business field; and,
- Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

The Rose State College Business Administration program has articulation agreements with various colleges and universities in Oklahoma. Students may transfer many of the courses in the degree program to the articulated college or university. These articulation agreements are subject to change; therefore, check with the Business Division Advisor and the destination college or university to verify a smooth transition.

Degree Awarded

Associate in Applied Science and/or
Supply Chain Management & Logistics Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Business Administration Associate in Applied Science Degree Supply Chain Management & Logistics Option (63 Credit Hours Min.)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (27 hours)

Students must earn a "C" or better in courses denoted with an asterisk (*) to be eligible for graduation.

*ACCT 1123 College Accounting Procedures		
*BA 1303 Introduction to Business		
BA 2203 Business Law I		
BA 2413 Business Ethics		
*BA 2503 Business Communication		
*MGMT 2103 Principles of Management		
*MGMT 2313 Introduction to Management Information Systems		
*MKTG 2103 Principles of Marketing		
CIT 1093 Microcomputer Applications		

OPTION REQUIREMENTS (18 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

BA 2193 Business Administration Internship+ **OR** BA 2703 Training and Development **OR** ECON 2403 Principles of Macroeconomics **OR** MGMT 2703 Small Business Management		
MGMT 2153 Team Building & Conflict Management **OR** CIT 1533 Principles of Cybersecurity		
MGMT 2403 Purchasing & Procurement		
MGMT 2503 Project Management		
MGMT 2603 Production & Operations Management		
MGMT 2803 Supply Chain Management & Logistics		

+Check course description for prerequisites that must be met.

Business Administration Associate in Applied Science Degree Supply Chain Management & Logistics Option (63 Credit Hours Min.)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math

Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Supply Chain Management & Logistics Certificate Requirements–18 Hours

Students must earn a "C" or better in these courses to be eligible for graduation.
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
BA 2193 Business Administration Internship+ OR BA 2703 Training and Development OR ECON 2403 Principles of Macroeconomics OR MGMT 2703 Small Business Management		
MGMT 2153 Team Building & Conflict Management OR CIT 1533 Principles of Cybersecurity		
MGMT 2403 Purchasing & Procurement		
MGMT 2503 Project Management		
MGMT 2603 Production & Operations Management		
MGMT 2803 Supply Chain Management & Logistics		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Because general education courses have multiple offerings, students should incorporate those courses into their schedule after their Business Administration Degree requirement courses have been determined. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
ACCT 1123 College Accounting Procedures BA 1303 Introduction to Business BA 2203 Business Law I CIT 1093 Microcomputer Applications 3-6 hours of General Education Requirements	BA 2413 Business Ethics MGMT 2503 Project Management MGMT 2103 Principles of Management MKTG 2103 Principles of Marketing 3-6 hours of General Education Requirements
2nd Fall Semester	**2nd Spring Semester**
BA 2503 Business Communication ECON 2103 Personal Finance MGMT 2603 Production & Operations Management MGMT 2803 Supply Chain Management & Logistics 3-6 hours of General Education Requirements	MGMT 2153 Teambuilding & Conflict Management OR CIT 1533 Principles of Cybersecurity MGMT 2403 Purchasing & Procurement BA 2193 Business Administration Internship+ OR BA 2703 Training and Development OR ECON 2403 Principles of Macroeconomics OR MGMT 2703 Small Business Management MGMT 2313 Introduction to Management Information Systems 3-6 hours of General Education Requirements

BUSINESS ADMINISTRATION—0061-11

Computer & Information Technology Associate in Applied Science Degree, Database Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Computer & Information Technology Program supports two goals: (1) To provide an educational avenue for students to upgrade their computer skills and knowledge as technical developments occur in the workplace; and, (2) to prepare students to assume employment in a position with responsibilities in computer and information technology. Upon degree completion, students will be able to:

1. Create business database programs using various Database Management Systems;
2. Design, create, and administer databases using Database Management Systems and programing languages;
3. Perform entry level network administration and information technology security checks; and
4. Perform systems analysis at the entry level.

The certificate is designed to:

1. Prepare to enter the workforce immediately upon completion;
2. Refresh the skills of students in the database field; and
3. Provide more advanced and current knowledge to enhance a student's potential for promotion.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

Degree Awarded

Associate in Applied Science and/or
Database Developer Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

COMPUTER & INFORMATION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE, DATABASE OPTION (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours)		
MATH 1483 Functions & Modeling+ **OR** MATH 1513 College Algebra+		
ECON 2103 Personal Finance		

PROGRAM REQUIREMENTS (21 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 1113 Fundamentals of Programming Logic		
CIT 1503 Network+ Certification Preparation		
CIT 1523 Computer Hardware & Operating Systems		
CIT 1533 Principles of Cybersecurity		
CIT 1613 Introduction to Java® Programming+		
MGMT 2313 Introduction to Management Information Systems		
CIT 2313 Capstone Project+		

OPTION REQUIREMENTS (12 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 2013 Database Theory & Design		
CIT 2103 Access®+		
CIT 2183 Advanced Database Design+		
CIT 2393 Structured Query Language (SQL™)+		

SUPPORT & RELATED ELECTIVES (9 hours)

Any CIT/MULT course **except** CIT 1093 **OR** CIT 1103 **OR** MULT 1133		
ECON 2503 Introduction to Investments		
Choose 3 hours from the following courses: BA 2503 Business Communication ECON 2843 Elements of Statistics+ CIT 2323 Security+ Certification Preparation CIT 2883 Reverse Engineering+ MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Computer & Information Technology Associate in Applied Science Degree, Database Option (63 Credit Hours Minimum)

Database Developer Certificate Requirements–12 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 2013 Database Theory & Design		
CIT 2103 Access®+		
CIT 2183 Advanced Database Design+		
CIT 2393 Structured Query Language (SQL™)+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CIT 1113 Fundamentals of Programming Logic CIT 1503 Network+ Certification Preparation CIT 1523 Computer Hardware & Operating Systems CIT 2013 Database Theory & Design (1st 8 weeks) CIT 2103 Access®+ (2nd 8 weeks)	CIT 1613 Introduction to Java® Programming+ CIT 2183 Advanced Database Design+ (2nd 8 weeks, Spring only) CIT 2393 Structured Query Language (SQL™)+ (1st 8 weeks, Spring only) 3 hours Support & Related Electives 3-6 hours of General Education Requirements
3rd Semester	**4th Semester**
MGMT 2313 Introduction to Management Information Systems MATH 1483 Functions & Modeling+ **OR** MATH 1513 College Algebra+ ECON 2103 Personal Finance 3 hours Support & Related Electives 3-6 hours of General Education Requirements or other CIT/MULT course	CIT 1533 Principles of Cybersecurity CIT 2313 Capstone Project+ 3 hours Support & Related Electives 3-6 hours of General Education Requirements or other CIT/MULT course

Computer & Information Technology Associate in Applied Science Degree, Programming Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Computer & Information Technology Program supports two goals: (1) To provide an educational avenue for students to upgrade their computer skills and knowledge as technical developments occur in the workplace; and, (2) to prepare students to assume employment in a position with responsibilities in computer and information technology. Upon degree completion, students will be able to:

1. Create business database programs using various Database Management Systems;
2. Design, create and administer databases using Database Management Systems and programing languages;
3. Perform entry level network administration and information technology security checks; and
4. Perform systems analysis at the entry level.

The certificate is designed to:

1. Prepare to enter the workforce immediately upon completion;
2. Refresh the skills of students in the programming field; and
3. Provide more advanced and current knowledge to enhance a student's potential for promotion.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

Degree Awarded

Associate in Applied Science and/or
Programming Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

COMPUTER & INFORMATION TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE, PROGRAMMING OPTION (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
OR ENGL 2053 Technical Report Writing+		
MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877		
OR HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
MATH 1483 Functions & Modeling+		
OR MATH 1513 College Algebra+		
ECON 2103 Personal Finance		

PROGRAM REQUIREMENTS (21 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 1113 Fundamentals of Programming Logic		
CIT 1503 Network+ Certification Preparation		
CIT 1523 Computer Hardware & Operating Systems		
CIT 1533 Principles of Cybersecurity		
CIT 1613 Introduction to Java® Programming+		
CIT 2013 Database Theory & Design		
CIT 2313 Capstone Project+		

OPTION REQUIREMENTS (12 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 1173 C++® Language+		
CIT 1203 Script Programming+		
CIT 1713 C#® (C Sharp) Programming+		
CIT 2613 Advanced Java® Programming+		

SUPPORT & RELATED ELECTIVES (9 hours)

CIT 2103 Access®+		
ECON 2503 Introduction to Investments		
Choose 3 hours from the following courses: BA 2503 Business Communication ECON 2843 Elements of Statistics+ CIT 2323 Security+ Certification Preparation CIT 2883 Reverse Engineering+ MGMT 2503 Project Management		

+Check course description for prerequisites that must be met.

Computer & Information Technology Associate in Applied Science Degree, Programming Option (63 Credit Hours Minimum)

Programming Certificate Requirements–12 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 1173 C++® Language+		
CIT 1203 Script Programming+		
CIT 1713 C#® (C Sharp) Programming+		
CIT 2613 Advanced Java® Programming+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CIT 1113 Fundamentals of Programming Logic CIT 1503 Network+ Certification Preparation CIT 1523 Computer Hardware & Operating Systems CIT 1533 Principles of Cybersecurity 3-6 hours General Education Requirements	CIT 1203 Script Programming+ CIT 1613 Introduction to Java® Programming+ 3 hours Support & Related Electives 3-6 hours General Education Requirements
3rd Semester	**4th Semester**
CIT 1173 C++® Language+ CIT 2013 Database Theory & Design CIT 2613 Advanced Java® Programming+ 3 hours Support & Related Electives 3-6 hours General Education Requirements or other CIT/MULT course	CIT 1713 C#® (C Sharp) Programming+ CIT 2313 Capstone Project+ 3 hours Support & Related Electives 3-6 hours General Education Requirements **or** other CIT/MULT course

Cybersecurity Associate in Applied Science Degree
(66 Credit Hours Min.)

Program Goals & Outcomes
Program goals of the Cybersecurity Degree include: (1) preparing students for entry-level employment in positions requiring networking, cybersecurity, or digital forensics skills; (2) providing coursework for students seeking career advancement; and, (3) offering a customized educational program to allow students to specialize in cybersecurity or digital forensics. Although transfer to a 4-year college or university is not the primary purpose of this degree, Rose State College holds articulation agreement with the Oklahoma State University Institute of Technology, the University of Tulsa, and the University of Oklahoma.

Upon degree completion, students will be able to:
1. Perform basic networking and operating skills;
2. Evaluate cryptography standards and methodologies;
3. Evaluate and implement policies and procedures for secure computing environment;
4. Analyze and evaluate technologies such as wireless, remote access, and digital forensics investigations;
5. Perform duties of a cybersecurity technician;
6. Perform enterprise threat assessment duties; and
7. Pass industry certification examinations.

Program Outcomes
Students will be prepared to pass industry certification examinations.

Program Entrance Requirements
Admission to Rose State College

Degree Awarded
Associate in Applied Science and/or
Cyber Essentials Certificate and/or
Cyber Security Certificate

Contact Information
Business & Information Technology Division
(405) 733-7340

Program Director, Professor Ken Dewey
(405) 733-7977

Business & Information Technology Division Advisor
(405) 736-0348

Cybersecurity Associate in Applied Science Degree
(66 Credit Hours Min.)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (3 hours minimum)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts Elective (3 hours minimum)		
ECON 2103 Personal Finance		

PROGRAM REQUIREMENTS (45 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1113 Fundamentals of Programming Logic **OR** any Programming Language		
CIT 1203 Script Programming		
CIT 1503 Network+ Certification Preparation		
CIT 1523 Computer Hardware & Operating Systems		
CIT 1533 Principles of Cybersecurity		
CIT 2053 Network Administration		
CIT 2243 Unix®/Linux®		
CIT 2323 Security+ Certification Preparation		
CIT 2433 Cloud+ Certification Preparation		
CIT 2523 Information Security Management+		
CIT 2533 Ethics in Information Technology		
CIT 2553 Digital Forensics+		
CIT 2563 Cryptography & Trusted Systems+		
CIT 2603 Ethical Hacking & Systems Defense+		
CIT 2633 Enterprise Threat Assessment+		

+Check course description for prerequisites that must be met.

Cybersecurity Associate in Applied Science Degree
(66 Credit Hours Min.)

Cyber Essentials Certificate Requirements–18 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

Students must earn a "C" or better in this course to be eligible for Certificate.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 2523 Information Security Management+		
CIT 2533 Ethics in Information Technology		
CIT 2553 Digital Forensics+		
CIT 2563 Cryptography & Trusted Systems+		
CIT 2603 Ethical Hacking & Systems Defense+		
CIT 2633 Enterprise Threat Assessment+		

Cyber Security Certificate Requirements–45 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

Students must earn a "C" or better in this course to be eligible for Certificate.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 1113 Fundamentals of Programming Logic OR any Programming Language		
CIT 1203 Script Programming		
CIT 1503 Network+ Certification Preparation		
CIT 1523 Computer Hardware & Operating Systems		
CIT 1533 Principles of Cybersecurity		
CIT 2053 Network Administration		
CIT 2243 Unix®/Linux®		
CIT 2323 Security+ Certification Preparation		
CIT 2433 Cloud+ Certification Preparation		
CIT 2523 Information Security Management+		
CIT 2533 Ethics in Information Technology		
CIT 2553 Digital Forensics+		
CIT 2563 Cryptography & Trusted Systems+		
CIT 2603 Ethical Hacking & Systems Defense+		
CIT 2633 Enterprise Threat Assessment+		

+Check course description for prerequisites that must be met.

Cybersecurity Associate in Applied Science Degree
(66 Credit Hours Min.)

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Students should enroll in two 16-week classes and four 8-week classes each 16-week term, as well as two 8-week classes during the summer, **to complete the 1-year certificate in time**. Next Generation ACCUPLACER scores in reading and writing are required, or enrollment in developmental courses may be necessary. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Summer Start

1st Semester (Summer)
CIT 1113 Fundamentals of Programming Logic (8-week)
CIT 1503 Network+ Certification Preparation (8-week)
CIT 1533 Principles of Cybersecurity (8-week)

2nd Semester (Fall)	3rd Semester (Spring)
CIT 2053 Network Administration (16-week)	CIT 2553 Digital Forensics+ (16-week)
CIT 2323 Security+ Certification Preparation (16-week)	CIT 2603 Ethical Hacking & Systems Defense+ (16-week)
CIT 2523 Information Security Management+ (1st 8-week)	CIT 2433 Cloud+ Certification Preparation (1st 8-week)
CIT 2563 Cryptography & Trusted Systems+ (1st 8-week)	CIT 2533 Ethics in Information Technology (1st 8-week)
CIT 1203 Script Programming (2nd 8-week)	CIT 2243 Unix®/Linux® (2nd 8-week)
CIT 1523 Computer Hardware & Operating Systems (2nd 8-week)	CIT 2633 Enterprise Threat Assessment+ (2nd 8-week)

Fall Start

1st Semester (Fall)	2nd Semester (Spring)
CIT 2053 Network Administration (16-week)	CIT 1533 Principles of Cybersecurity (16-week)
CIT 2323 Security+ Certification Preparation (16-week)	CIT 2553 Digital Forensics+ (16-week)
CIT 1113 Fundamentals of Programming Logic (1st 8-week)	CIT 2433 Cloud+ Certification Preparation (1st 8-week)
CIT 1503 Network+ Certification Preparation (1st 8-week)	CIT 2533 Ethics in Information Technology (1st 8-week)
CIT 1203 Script Programming (2nd 8-week)	CIT 2243 Unix®/Linux® (2nd 8-week)
CIT 1523 Computer Hardware & Operating Systems (2nd 8-week)	CIT 2523 Information Security Management+ (2nd 8-week)

3rd Semester (Summer)
CIT 2563 Cryptography & Trusted Systems+ (8-week)
CIT 2603 Ethical Hacking & Systems Defense+ (8-week)
CIT 2633 Enterprise Threat Assessment+ (8-week)

Spring Start

1st Semester (Spring)	2nd Semester (Summer)
CIT 2053 Network Administration (16-week)	CIT 1533 Principles of Cybersecurity (8-week)
CIT 2323 Security+ Certification Preparation (16-week)	CIT 2563 Cryptography & Trusted Systems+ (8-week)
CIT 1113 Fundamentals of Programming Logic (1st 8-week)	CIT 2523 Information Security Management+ (8-week)
CIT 1503 Network+ Certification Preparation (1st 8-week)	
CIT 1203 Script Programming (2nd 8-week)	
CIT 1523 Computer Hardware & Operating Systems (2nd 8-week)	

3rd Semester (Fall)
CIT 2553 Digital Forensics+ (16-week)
CIT 2603 Ethical Hacking & Systems Defense+ (16-week)
CIT 2433 Cloud+ Certification Preparation (1st 8-week)
CIT 2533 Ethics in Information Technology (1st 8-week)
CIT 2243 Unix®/Linux® (2nd 8-week)
CIT 2633 Enterprise Threat Assessment+ (2nd 8-week)

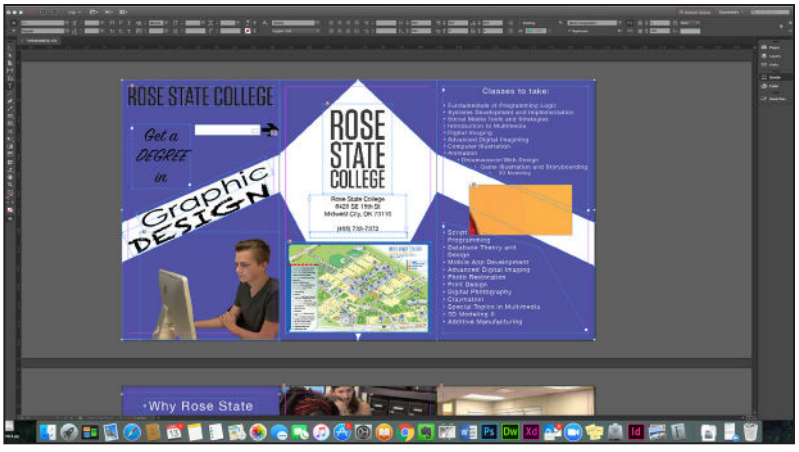
Multimedia Digital Design Associate in Applied Science Degree (63 Credit Hours Minimum)

Program Goals & Outcomes

The goal of the Multimedia Digital Design Degree is to prepare students with the necessary knowledge and skills to gain access to career opportunities in the digital design field. The coursework students complete in this degree will enhance their ability to acquire an entry-level job in the following growing fields: advertising, print, mobile/web development, additive manufacturing, and 3D modeling. For professionals needing additional education or certification in the growing fields of Multimedia Digital Design, Certificates are available. Whether students are attaining certification and/or an AAS Degree in this field, they can seek a career in a wide array of digital design occupations.

Upon degree completion, students will be able to:

1. Edit images and prepare them for print or web design;
2. Design layouts for print using software;
3. Develop 3D objects and designs; and
4. Create mobile apps and responsive websites.



The certificates are designed to:

1. Edit images for all media;
2. Prepare students for designing layouts for print, media, and web;
3. Understand and work with 3D graphics and modeling; and
4. Enter the workforce in additive manufacturing.

The courses within the certificate may be applied to an AAS Degree where students may be eligible to receive both a certificate and an AAS Degree.

Degree Awarded

Associate in Applied Science in Multimedia Digital Design and/or
Digital Graphic Design Certificate and/or
Web Development Certificate

Contact Information

Business & Information Technology Division
(405) 733-7340

Business & Information Technology Division Advisor
(405) 736-0348

Multimedia Digital Design Associate in Applied Science Degree (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
MCOM 1213 Public Speaking		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (6 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		

PROGRAM REQUIREMENTS (33 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

BA 1303 Introduction to Business		
BA 2203 Business Law I		
MULT/MCOM 1123 Social Media Tools & Strategies		
MULT 1133 Introduction to Multimedia		
MULT/MCOM 1413 Digital Imaging		
MULT 1613 Computer Illustration		
MULT 2003 Web Design		
MKTG/MCOM 2113 Digital Marketing Essentials		
MULT/MCOM 2333 Layout & Graphic Design		
MULT/MCOM 2503 Media Production		
CIT 2313 Capstone Project+ **OR** MCOM 2901 Mass Communication Capstone+ **AND** MCOM 2802 Mass Communication Internship+		

PROGRAM ELECTIVES (9 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.
Choose 3 of the following:

BA 2413 Business Ethics		
CIT 1113 Fundamentals of Programming Logic		
CIT 1203 Script Programming+		

MULT 1423 Advanced Digital Imaging+

MULT 1443 Photo Restoration+

MULT 1913 Animation

MULT 2091-3 Special Topics in Multimedia+
OR MCOM 2091-3 Special Topics in Mass Communication+

MULT 2203 Storyboarding

MCOM 2413 **OR** MULT 2413 Digital Photography

MCOM 2323 Principles of Public Relations

+Check course description for prerequisites that must be met.

Multimedia Digital Design Associate in Applied Science Degree (63 Credit Hours Minimum)

General Education Electives for Science
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math
Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Digital Graphic Design Certificate Requirements–15 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

Students must earn a "C" or better in these courses to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
MULT/MCOM 1413 Digital Imaging		
MULT 1613 Computer Illustration		
MULT 1913 Animation		
MULT/MCOM 2333 Layout & Graphic Design		
MKTG/MCOM 2113 Digital Marketing Essentials		

Web Development Certificate Requirements–15 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

Students must earn a "C" or better in these courses to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
MULT/MCOM 1123 Social Media Tools & Strategies		
MULT 2003 Web Design		
CIT 1113 Fundamentals of Programming Logic		
CIT 1203 Script Programming+		
MKTG/MCOM 2113 Digital Marketing Essentials		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	First Spring Semester
MULT 1133 Introduction to Multimedia MULT/MCOM 1413 Digital Imaging MULT/MCOM 1123 Social Media Tools & Strategies BA 1303 Introduction to Business 3-6 hours of General Education Requirements	MULT/MCOM 2503 Media Production BA 2203 Business Law I MULT 2003 Web Design MULT 1613 Computer Illustration 3-6 hours of General Education Requirements
Second Fall Semester	**Second Spring Semester**
MULT/MCOM 2333 Layout & Graphic Design MKTG/MCOM 2113 Digital Marketing Essentials 6 hours from Program Electives 3-6 hours of General Education Requirements	CIT 2313 Capstone Project+ **OR** MCOM 2901 Mass Communication Capstone+ **AND** MCOM 2802 Mass Communication Internship+ 3 hours from Program Electives 6-9 hours of General Education Requirements

MULTIMEDIA DIGITAL DESIGN—0161

Paralegal Studies Associate in Applied Science Degree
(63 Credit Hours Minimum)

Program Goals & Outcomes
The Paralegal Studies Degree is designed to prepare students for employment as legal assistants or paralegals. A paralegal is qualified by education and training to be employed or retained by a lawyer, law office, corporation, governmental agency, or other entity. Paralegals perform specifically delegated legal tasks for which a lawyer is responsible and which the lawyer would perform absent the paralegal.

Paralegals cannot give advice, accept cases, set legal fees, represent clients in court, or perform any legal services without the supervision of a licensed lawyer. The program has been approved by the American Bar Association since 1976. The objectives of the program are:

1. To provide practical training in legal skills supported by substantive legal theory;
2. To instruct students in legal specialty courses to enable students to perform tasks specific to particular areas of law;
3. To inform students of ethical responsibilities of the legal profession; and
4. To educate students to the role of the paralegal in the delivery of quality services within ethical limitations applicable to a paralegal's function in the legal profession.

Program Entrance Requirements
Option I: High school transcript or GED Certificate and transcript; ACT reading score of 19 or Next Generation ACCUPLACER reading score of 275. Test score must be no more than 3 years old.
Option II: College transcript reflecting 15 hours or more, either with a 2.5 grade point average or an ACT reading score of 19 or Next Generation ACCUPLACER reading score of 275. Test score must be no more than 3 years old.
Option III: College transcript or diploma reflecting the award of a bachelor's degree.

Stale Credit Policy
Any legal specialty course taken more than 6 years prior to completion of the Paralegal Studies Program will not apply toward graduation, unless students validate proficiency in the stale course by proof of substantial, substantive work experience as paralegals and/or by completion of the Capstone Seminar, LS 2993, with a grade of "C" or better. The Director of the Paralegal Studies Program will determine if proficiency in the course has been demonstrated sufficiently for students to qualify for an exception to this policy.

Transfer Policy
Students desiring to transfer legal specialty courses from another legal assistant/paralegal program to Rose State College's Paralegal Studies AAS Degree must meet the program's criteria for course transfer. The transfer policy may be obtained in the Business and Information Technology Division or the Enrollment Management Office.

Synchronous Instruction
Students must complete at least nine credits in legal specialty courses via traditional synchronous instruction. Transfer credit will not be accepted toward this requirement.

Degree Awarded
Associate in Applied Science

Contact Information
Business & Information Technology Division
(405) 736-0348

Dr. Brandon Burris, Program Director
(405) 733-7460
bburris@rose.edu
http://www.rose.edu/paralegal-studies

Paralegal Studies Associate in Applied Science Degree
(63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (24 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communications (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (9 hours minimum)		
ECON 2103 Personal Finance		
Science (3-4 hours) **OR** Math (3-4 hours)—See courses listed on next page.		
Humanities (3 hours minimum)—See courses listed in the RSC Academic Catalog.		
Liberal Arts (3 hours minimum)—See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (24 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
LS 2813 Legal Research & Writing I+		
LS 2823 Legal Research & Writing II+		
LS 2843 Law Office Practice & Procedures+		
LS 2853 Civil Procedure I+		
LS 2863 Civil Procedure II+		
LS 2873 Contracts+		
LS 2903 Information Management in the Law+		
LS 2993 Capstone Seminar+		

SUPPORT & RELATED REQUIREMENT (3 hours)		
LS 2803 Introduction to Law		

PROGRAM ELECTIVES (12 hours minimum)—See courses listed on next page.		

+Check course description for prerequisites that must be met.

Paralegal Studies Associate in Applied Science Degree
(63 Credit Hours Minimum)

General Education Electives for Science
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

General Education Electives for Math
Any MATH course, which is at least 1000 level or higher, except MATH 2013, MATH 2023, MATH 2033, and MATH 2091-6

Program Electives–Any other LS course* offered, including but not limited to:
LS 2703 Criminal Law+
LS 2713 Constitutional Rights+
LS 2773 Open Legal Topics
LS 2783 Child Support Processes+
LS 2793 Selected Legal Topics+
LS 2833 Word Processing for the Legal Profession+
LS 2883 Torts+
LS 2893 Bankruptcy+
LS 2913 Wills & Trusts+
LS 2923 Business Organizations+
LS 2933 Estate Administration+
LS 2943 Paralegal Internship+
LS 2953 Domestic Relations+
LS 2963 Real Property+
LS 2973 Administrative Law+
LS 2983 Debtor Creditor Law+

***Transfer credits are contingent upon approval by the Program Director. Students must demonstrate the course or courses being transferred comply with the requirements of the American Bar Association Guidelines for the Approval of Paralegal Education Programs and other mandates and guidance issued by the American Bar Association.**

Suggested Order of Enrollment
The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
LS 2803 Introduction to Law LS 2813 Legal Research & Writing I+ ENGL 1113 English Composition I+ 6 hours of General Education Requirements	LS 2823 Legal Research & Writing II+ LS 2843 Law Office Practice & Procedures+ LS 2853 Civil Procedure I+ ENGL 1213 English Composition II+ 3-6 hours of General Education Requirements
3rd Semester	**4th Semester**
LS 2863 Civil Procedure II+ LS 2873 Contracts+ 6 hours of Program Electives 3-6 hours of General Education Requirements	LS 2903 Information Management in the Law+ LS 2993 Capstone Seminar+ 6 hours of Program Electives 3-6 hours of General Education Requirements

Health Sciences Division

Programs

Associate in Applied Science Degrees

All programs require program application. See program pages for application deadlines.

Dental Assisting
Dental Assisting Certificate

Dental Hygiene

Health Information Management
HIM Coding Specialist Certificate

Medical Laboratory Technology

Nursing Science

Radiologic Technology

Respiratory Therapist

Academic Advisor (405) 733-7562

Dental Assisting (405) 736-0289

Dental Hygiene (405) 736-0263

Health Information Management (405) 733-7578

Medical Laboratory Technology (405) 733-7577

Nursing Science (405) 736-0337

Radiologic Technology (405) 733-7568

Respiratory Therapist (405) 733-7571

Dental Assisting Associate in Applied Science Degree
(68 credit hours minimum)

Program Goals & Outcomes
Dental assistants, under the direct supervision of a dentist, assist chairside, perform lab procedures, and/or may perform receptionist and secretarial duties. This Program is fully accredited by the Commission on Dental Accreditation of the American Dental Association. Program completion ensures eligibility to take the Dental Assisting National Board Exam (Certified Dental Assistant Exam) and enables students to obtain certification for all dental assisting expanded duties legal in the State of Oklahoma.

Students must maintain a grade of "C" or better in each Program Requirement course throughout the program to progress through the semester and continue concurrent enrollment. Students must complete all Program Requirement courses with a minimum grade of "C" in each course to receive the certificate or Associate in Applied Science.

Admission to the Dental Assisting Program is based on specific admission requirements and is limited to 12 students. A point system is utilized for selection of the most-qualified applicants. Specific Program Goals are available in the Dental Assisting Program Advisement Packet distributed at the Allied Dental Program Information Sessions or from the Allied Dental Programs Office.

The application period for Fall entry into the Dental Assisting Program is April 1-May 15. General Education courses do not have to be completed before admission to the program. Applications may be obtained after April 1 in the Allied Dental Program Office or by telephone request at (405) 733-7336. Completed applications and all requested documents must be returned to the Allied Dental Program Office by May 15. Applications after the deadline may be considered if space is available.

Note
All HSDA and HSAD course enrollment is limited to program students.

Degree Awarded
Associate in Applied Science

Contact Information
Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu
www.rose.edu/dental-assisting

Dental Assisting Program Coordinator
Nancy Thompson, Allied Dental Programs
(405) 733-7598

Dental Assisting Associate in Applied Science Degree

(68 credit hours minimum)

*GENERAL EDUCATION REQUIREMENTS (22 hrs min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.

Students must earn a "C" or better in General Education courses to be eligible for graduation.

Communications (9 hours)

ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
MCOM 1213 Public Speaking		

U.S. History/U.S. Government (6 hours)

HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		

General Education Electives (7 hours minimum)

PSYC 1113 Introduction to Psychology		

See General Education Electives on next page.

PROGRAM REQUIREMENTS (37 hours)

Permission of Program Director is required prior to enrollment in these courses.
Students must earn a "C" or better in these courses to be eligible for graduation.

HSAD 1243 Advanced Clinical Procedures+		
HSDA 1112 Dental Assisting+		
HSDA 1124 Clinical Procedures I+		
HSDA 1134 Dental Sciences I+		
HSDA 1143 Dental Materials+		
HSDA 1153 Dental Radiography+		
HSDA 1215 Clinical Procedures II+		
HSDA 1225 Dental Sciences II+		
HSDA 1232 Practice Management+		
HSDA 1241 Correlation Seminar+		
HSDA 1252 Dental Assisting Practicum I+		
HSDA 1353 Dental Assisting Practicum II+		

SUPPORT & RELATED ELECTIVES (9 hours)

Completion of these courses may be required prior to program admission.

See Support & Related Electives on next page.

***General Education courses may be taken before or after professional courses.**
+Check course description for prerequisites that must be met.

Dental Assisting Associate in Applied Science Degree
(68 credit hours minimum)

General Education Electives
BIOL 2035 Principles of Microbiology+
CHEM 1114 Introductory Chemistry+
HSBC 1224 Introduction to Clinical Microbiology

Support & Related Electives
ACCT 1123 College Accounting Procedures
ACCT 2103 Financial Accounting+
BA 1103 Business Math
BIOL 1124 General Biology I
CIT 1093 Microcomputer Applications
CIT 1103 Introduction to Computers
HSBC 1113 Medical Terminology
HES 2323 Nutrition
MGMT 2103 Principles of Management
SOC 1113 Introduction to Sociology+

Suggested Order of Enrollment
Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HSAD 1243 Advanced Clinical Procedures+	HSDA 1215 Clinical Procedures II+
HSDA 1112 Dental Assisting+	HSDA 1225 Dental Sciences II+
HSDA 1124 Clinical Procedures I+	HSDA 1232 Practice Management+
HSDA 1134 Dental Sciences I+	HSDA 1241 Correlation Seminar+
HSDA 1143 Dental Materials+	HSDA 1252 Dental Assisting Practicum I+
HSDA 1153 Dental Radiography+	

3rd Semester
HSDA 1353 Dental Assisting Practicum II+

Dental Assisting Certificate
(46 credit hours minimum)

Program Goals & Outcomes
Dental assistants, under the direct supervision of a dentist, assist chairside, perform lab procedures, and/or may perform receptionist and secretarial duties. This Program is fully accredited by the Commission on Dental Accreditation of the American Dental Association. Program completion ensures eligibility to take the Dental Assisting National Board Exam (Certified Dental Assistant Exam) and enables students to obtain certification for all dental assisting expanded duties legal in the State of Oklahoma.

Students must maintain a grade of "C" or better in each Program Requirement course throughout the program to progress through the semester and continue concurrent enrollment. Students must complete all Program Requirement courses with a minimum grade of "C" in each course to receive the certificate or Associate in Applied Science.

Admission to the Dental Assisting Program is based on specific admission requirements and is limited to 12 students. A point system is utilized for selection of the most-qualified applicants. Specific Program Goals are available in the Dental Assisting Program Advisement Packet distributed at the Allied Dental Program Information Sessions or from the Allied Dental Programs Office.

The application period for Fall entry into the Dental Assisting Program is April 1-May 15. General Education courses do not have to be completed before admission to the program. Applications may be obtained after April 1 in the Allied Dental Program Office or by telephone request at (405) 733-7336. Completed applications and all requested documents must be returned to the Allied Dental Program Office by May 15. Applications after the deadline may be considered if space is available.

Note
All HSDA and HSAD course enrollment is limited to program students.

Degree Awarded
Certificate

Contact Information
Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu
www.rose.edu/dental-assisting

Dental Assisting Program Coordinator
Nancy Thompson, Allied Dental Programs
(405) 733-7598

Dental Assisting Certificate
(46 credit hours minimum)

Certificate Required Courses–46 Hours
Students must earn a "C" or better in these courses to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ENGL 1113 English Composition I+*		
HSAD 1243 Advanced Clinical Procedures+		
HSDA 1112 Dental Assisting+		
HSDA 1124 Clinical Procedures I+		
HSDA 1134 Dental Sciences I+		
HSDA 1143 Dental Materials+		
HSDA 1153 Dental Radiography+		
HSDA 1215 Clinical Procedures II+		
HSDA 1225 Dental Sciences II+		
HSDA 1232 Practice Management+		
HSDA 1241 Correlation Seminar+		
HSDA 1252 Dental Assisting Practicum I+		
HSDA 1353 Dental Assisting Practicum II+		
MCOM 1213 Public Speaking*		
PSYC 1113 Introduction to Psychology*		

***General Education courses may be taken before or after professional courses.**
+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HSDA 1112 Dental Assisting+	HSDA 1215 Clinical Procedures II+
HSDA 1124 Clinical Procedures I+	HSDA 1225 Dental Sciences II+
HSDA 1134 Dental Sciences I+	HSDA 1232 Practice Management+
HSDA 1143 Dental Materials+	HSDA 1241 Correlation Seminar+
HSDA 1153 Dental Radiography+	HSDA 1252 Dental Assisting Practicum I+

3rd Semester
HSDA 1353 Dental Assisting Practicum II+

Dental Hygiene Associate in Applied Science Degree
(89 credit hours minimum)

Program Goals & Outcomes
Registered dental hygienists are licensed professionals who, under the supervision of the dentist, provide for patients' preventive and therapeutic dental hygiene services which help to prevent periodontal disease and dental decay. This Program is accredited by the Commission on Dental Accreditation of the American Dental Association. Graduation from this Program ensures eligibility to take state, regional, and national licensure exams, which are required before beginning employment. Graduates of this Program are also certified in all advanced functions legal in the state of Oklahoma.

Students must receive a grade of "C" or better in all General Education Requirements and all Support & Related courses. Students must maintain a grade of "C" in each Program Requirement course throughout the program to progress through the semester and continue concurrent enrollment. Students must successfully complete all required courses with a minimum grade of "C" in each course to receive the Associate in Applied Science Degree.

Admission to the Dental Hygiene Program is based on specific admission requirements and is limited to 12 students. Specific Program Goals are available in the Dental Hygiene Program Advisement Packet distributed at the Allied Dental Program Information Sessions or from the Allied Dental Programs Office.

The application period for the Dental Hygiene Program is December 1-February 1. A point system is utilized for selection of the most qualified applicants. Applications may be obtained during the application period in the program office or by calling (405) 733-7336. Completed applications and all requested documents must be returned to the Allied Dental Program Office by February 1. All applicants are notified of their admission status by the end of May. Successful completion of coursework listed in General Education Requirements and Support & Related Requirements sections, with the exception of HSBC 2114 Human Anatomy and BIOL 2424 Human Physiology, is required before Program coursework begins.

Degree Awarded
Associate in Applied Science

Contact Information
Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Dental Assisting/Dental Hygiene Program Director
Esmeralda Ornelas, Allied Dental Programs
(405) 733-7581
eornelas@rose.edu

Dental Hygiene Associate in Applied Science Degree

(89 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (41 hours min)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Students must earn a "C" or better in General Education courses to be eligible for graduation.		
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (20-21 hours)		
BIOL 2424 Human Physiology+ ** ++		
CHEM 1114 Introductory Chemistry+ ++		
CHEM 1124 Introductory Organic & Biochemistry* + ++		
HSBC 1224 Introduction to Clinical Microbiology **OR** BIOL 2035 Principles of Microbiology+ ++		
HSBC 2114 Human Anatomy**+ ++		
General Education Electives (9 hours)		
MCOM 1213 Public Speaking		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		

PROGRAM REQUIREMENTS (48 hours)		
Permission of Program Director is required prior to enrollment in these courses.		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HSAD 1243 Advanced Clinical Procedures+		
HSDH 1105 Dental Hygiene I+		
HSDH 1113 Dental Embryology, Histology, & Anatomy+		
HSDH 1205 Dental Hygiene II+		
HSDH 1213 Dental Materials+		
HSDH 1222 Dental Radiography+		
HSDH 1241 Periodontics I+		
HSDH 2305 Dental Hygiene III+		
HSDH 2312 Community Dental Health I+		
HSDH 2323 Pathology for the Dental Hygienist+		
HSDH 2331 Periodontics II+		
HSDH 2343 Pharmacology/Anxiety & Pain Control+		
HSDH 2405 Dental Hygiene IV+		
HSDH 2413 Community Dental Health II+		
HSDH 2423 Practice Administration+		
HSDH 2431 Periodontics III+		

SUPPORT & RELATED ELECTIVES (0-3* hours)		
Completion of these courses may be required prior to program admission.		
HSBC 1113 Medical Terminology*		

***Required for students taking HSBC 2114 at Rose State College. / **Course can be completed with Program Requirements. / +Check course description for prerequisites that must be met. / ++Stale Credit Rule applies. Stale Credit Rule requires specific courses must be completed within 7 years of application.**

Dental Hygiene Associate in Applied Science Degree

(89 credit hours minimum)

Suggested Order of Enrollment

Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Year 1

Fall	Spring
CHEM 1114 Introductory Chemistry+	ENGL 1213 English Composition II+
ENGL 1113 English Composition I+	MCOM 1213 Public Speaking
HIST 1483 U.S. History to 1877	SOC 1113 Introduction to Sociology+
OR HIST 1493 U.S. History Since 1877	
POLS 1113 American Federal Government	
PSYC 1113 Introduction to Psychology	

Summer

HSBC 1224 Introduction to Clinical Microbiology **or** BIOL 2035 Principles of Microbiology+

Year 2

Fall	Spring
BIOL 2424 Human Physiology+	HSAD 1243 Advanced Clinical Procedures+
HSBC 2114 Human Anatomy+	HSDH 1205 Dental Hygiene II+
HSDH 1105 Dental Hygiene I+	HSDH 1213 Dental Materials+
HSDH 1113 Dental Embryology, Histology, & Anatomy+	HSDH 1222 Dental Radiography+
	HSDH 1241 Periodontics I+

Year 3

Fall	Spring
HSDH 2305 Dental Hygiene III+	HSDH 2405 Dental Hygiene IV+
HSDH 2312 Community Dental Health I+	HSDH 2413 Community Dental Health II+
HSDH 2323 Pathology for the Dental Hygienist+	HSDH 2423 Practice Administration+
HSDH 2331 Periodontics II+	HSDH 2431 Periodontics III+
HSDH 2343 Pharmacology/Anxiety & Pain Control+	

Health Information Management Associate in Applied Science Degree (64 credit hours minimum)

Program Goals & Outcomes
Health Information Technicians compile, analyze, and prepare health information needed by patients, health care providers, third-party payers, and the public. Health Information Technicians work in a variety of job settings and hold a variety of job titles. The Health Information Management Program incorporates clinical; information management; electronic health records; medical coding and classification systems; legal; quality management; and leadership areas in the curriculum. Health Information is a good career choice for those who want to work in health care but not directly with patients.

Upon completion, graduates will be prepared to:

- Apply regulatory, licensing, and accreditation guidelines and standards to various functions of health information, ensuring the integrity and validity of health record content;
- Evaluate the appropriateness of privacy and security practices in compliance with federal and state laws;
- Compute, analyze, and compile various healthcare data and statistical information to produce meaningful reports;
- Conduct audits, monitor processes, and analyze compliance with multiple functions of the revenue cycle;
- Utilize different software packages including, but not limited to, electronic health records, coding software, and statistical and data display; and
- Demonstrate professional and ethical behavior through attendance, collaboration, attitude, and ability to meet time requirements.

The AAS degree includes both the AHIMA Data Management Track and Revenue Management Track.

Program Mission: The RSC Health Information Management Program is committed to preparing and mentoring students in ethical and professional practices in both healthcare and non-healthcare settings, fostering lifelong learning, and meeting the needs of both our community and our profession.

Students must complete each course listed in Program Requirements and Support & Related Requirements with a minimum grade of "C" in each course to receive the Associate in Applied Science Degree. General Education and Support & Related Requirement courses do not have to be completed before applying to the program.

The Health Information Management accreditor of Rose State College is the Commission on Accreditation for Health Informatics and Information Management (CAHIIM). The College's accreditation for Associate degree in Health Information Management has been reaffirmed through 2027-2028. All inquiries about the program's accreditation status should be directed by mail to CAHIIM, 200 East Randolph Street, Suite 5100, Chicago, IL, 60601; by phone at 312.235.3255; or by email at info@cahiim.org.

Graduates of the RSC HIM Program are eligible to apply to take the national examination for certification as a Registered Health Information Technician (RHIT).

The program application period is February 1-April 15. Applications may be obtained after February 1 in the Health Sciences Division Office or by calling (405) 733-7361. Completed applications and all required documents must be returned to the Health Sciences Division Office by April 15. All applicants are notified by letter as to their admission status by June 30. Accepted students begin the program in August. Applications received after the deadline may be considered if space is available.

For additional information on Health Information Management as a career and/or admission information, please consult the Health Information Management advisement material or website.

Degree Awarded
Associate in Applied Science

Contact Information
Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Health Information Management Program Director
Julie Hoisington
(405) 733-7548
jhoisington@rose.edu

Health Information Management Associate in Applied Science Degree (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (19 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)		
Students must earn a "C" or better in HSBC 1104 & HSBC 2103 to be eligible for graduation.		
HSBC 1104 Anatomy & Physiology++		
HSBC 2103 Human Pathology+ ++		

PROGRAM REQUIREMENTS (39 hours)		
Permission of Program Director is required prior to enrollment in these courses.		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HSHI 1104 Introduction to Health Information+		
HSHI 1113 Healthcare Law and Compliance+		
HSHI 1213 Health Information Statistics & Data Display+		
HSHI 1222 Professional Practice Experience I+		
HSHI 1233 Ambulatory Coding+		
HSHI 1243 Health Data Management+		
HSHI 2203 ICD Coding I+		
HSHI 2213 Health Information Management+		
HSHI 2222 Professional Practice Experience II+		
HSHI 2223 Healthcare Reimbursement & Revenue Cycle Management+		
HSHI 2232 Quality Improvement+		
HSHI 2332 Health Information Seminar+		
HSHI 2423 ICD Coding II+		
HSHI 2572 Coding Practicum+		
HSHI 2631 Pharmacology for Health Information+		

SUPPORT & RELATED REQUIREMENTS (6 hours)		
Completion of these courses may be required prior to program admission.		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1093 Microcomputer Applications++		
HSBC 1113 Medical Terminology++		

+Check course description for prerequisites that must be met.
++Courses must be taken no more than 5 years before entering the program.

Health Information Management Associate in Applied Science Degree (64 credit hours minimum)

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice. The "++" symbol represents Courses that must be taken no more than 5 years before entering the program.

Fall I Semester	Spring I Semester
CIT 1093 Microcomputer Applications++	HSBC 1104 Anatomy & Physiology++
ENGL 1113 English Composition I+	HSHI 1213 Health Information Statistics & Data Display+
HSBC 1113 Medical Terminology++	HSHI 1222 Professional Practice Experience I+
HSHI 1104 Introduction to Health Information+	HSHI 1233 Ambulatory Coding+
HSHI 1113 Healthcare Law and Compliance+	HSHI 1243 Health Data Management+
	HSHI 2631 Pharmacology for Health Information+
Fall II Semester	**Spring II Semester**
HSBC 2103 Human Pathology+ ++	HSHI 2222 Professional Practice Experience II+
HSHI 2203 ICD Coding I+	HSHI 2332 Health Information Seminar+
HSHI 2213 Health Information Management+	HSHI 2423 ICD Coding II+
HSHI 2223 Healthcare Reimbursement & Revenue Cycle Management+	HSHI 2572 Coding Practicum+
HSHI 2232 Quality Improvement+	POLS 1113 American Federal Government

Summer I Semester

ENGL 1213 English Composition II+
HIST 1483 U.S. History to 1877
OR HIST 1493 U.S. History Since 1877

Health Information Management Certificate
Coding Specialist (32 credit hours)

Program Goals & Outcomes

Clinical coding is the assignment of numeric or alphanumeric codes to diagnoses and procedures for reimbursement and databases. Accurate coding is essential for proper reimbursement and quality data. Coding professionals may also be responsible for conducting coding audits and providing coding education to healthcare providers. Coders can be employed in a variety of settings, and with experience, working from home may be an option.

The Coding Specialist Certificate is designed for those who wish to learn coding and/or those with some basic coding knowledge who wish to become more proficient in both inpatient and outpatient coding systems and reimbursement methodologies. This Program prepares students to sit for the Certified Coding Associate (CCA) credential exam offered by the American Health Information Management Association (AHIMA). It is strongly recommended that students work for a minimum of one year as a full-time coder to gain experience in coding inpatient and outpatient records prior to taking the Certified Coding Specialist (CCS) exam offered by AHIMA.

Students must successfully complete all required courses with a minimum grade of "C" in each course in order to receive the certificate.

Applications

The program application period is February 1-April 15. Applications may be obtained after February 1 in the Health Sciences Division Office or by telephone request at (405) 733-7361. Completed applications and all required documents must be returned to the Health Sciences Division Office by April 15. All applicants are notified by letter as to their admission status by June 30. Accepted students begin the program in August. Applications received after the deadline may be considered if space is available.

For additional information on Health Information Management as a career and/or admission information, please consult the Health Information Management advisement material or website.

Degree Awarded

Certificate

Contact Information

Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Health Information Management Program Director
Julie Hoisington
(405) 733-7548
jhoisington@rose.edu

Health Information Management Certificate
Coding Specialist (32 credit hours)

Certificate Required Courses–32 Hours

Students must earn a "C" or better in all courses.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
CIT 1093 Microcomputer Applications++		
HSBC 1104 Anatomy & Physiology++		
HSBC 1113 Medical Terminology++		
HSBC 2103 Human Pathology+ ++		
HSHI 1104 Introduction to Health Information+		
HSHI 1233 Ambulatory Coding+		
HSHI 2203 ICD Coding I+		
HSHI 2223 Healthcare Reimbursement & Revenue Cycle Management+		
HSHI 2423 ICD Coding II+		
HSHI 2572 Coding Practicum+		
HSHI 2631 Pharmacology for Health Information+		

+Check course description for prerequisites that must be met.
++Courses must be taken no more than 5 years before entering the program.

Suggested Order of Enrollment

Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Prior to Fall Semester

CIT 1093 Microcomputer Applications++
HSBC 1113 Medical Terminology++
HSBC 1104 Anatomy & Physiology++

Fall Semester	Spring Semester
HSBC 2103 Human Pathology+ ++	HSHI 1233 Ambulatory Coding+
HSHI 1104 Introduction to Health Information+	HSHI 2423 ICD Coding II+
HSHI 2203 ICD Coding I+	HSHI 2572 Coding Practicum+
HSHI 2223 Healthcare Reimbursement & Revenue Cycle Mgmt.+	HSHI 2631 Pharmacology for Health Information+

Medical Laboratory Technology Associate in Applied Science Degree (64 credit hours minimum)

Program Goals & Outcomes

The goal of the Medical Laboratory Technology of Associate in Applied Science Degree Program is to provide education and training for career-entry competencies in all general medical laboratory areas and preparation for the successful completion of national board exams.

Graduates will be able to:

1. Safely collect, process, perform, and report routine clinical laboratory tests on biological specimens and other substances, with precision and accuracy under minimal supervision within a reasonable length of time;
2. Understand and apply the aspects of quality improvement related to the laboratory, performing and monitoring standard quality control methods, and learning trouble shooting and problem solving in order to take corrective action as necessary;
3. Recognize abnormal values and apply appropriate procedures;
4. Correlate didactic instruction with laboratory results in the diagnosis and treatment of patients;
5. Perform routine maintenance, standardization, and calibration procedures;
6. Use safety precautions whenever handling biohazard substances;
7. Instill the concept of total patient care and the role of the laboratory in this concept;
8. Communicate well with all levels of personnel;
9. Demonstrate professional conduct, adhere to patient safety guidelines, and utilize appropriate communication skills; and
10. Practice within the profession's ethical and legal framework by assuming responsibility and accountability for their own laboratory practice and continued professional and self-development.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree.

Program Outcomes Assessment

3-year average graduation rate: 100%
3-year average placement rate: 100%
3-year average for ASCP Board of Certification for MLT certification: 89%

Degree Awarded

Associate in Applied Science

Contact Information

Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Medical Laboratory Technology Associate in Applied Science Degree (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (27 hours min.) **SEMESTER COMPLETED** **GRADE/CREDIT HRS.**

Students must earn a "C" or better in General Education courses to be eligible for graduation.

English Composition (6 hours)

ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		

U.S. History/U.S. Government (6 hours)

HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		

Sciences (15 hours minimum)–one must include lab

HSBC 1224 Introduction to Clinical Microbiology*		
BIOL 2424 Human Physiology+ **OR** HSBC 1104 Anatomy & Physiology		
CHEM 1114 Introductory Chemistry+*		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (34 hours)

Permission of Program Director is required prior to enrollment in these courses.
Students must earn a "C" or better in these courses to be eligible for graduation.

HSML 1114 Hematology/Hemostasis+		
HSML 1122 Immunology and Serology+		
HSML 1202 Urinalysis+		
HSML 1224 Immunohematology+		
HSML 2413 Laboratory Practicum I+		
HSML 2415 Clinical Analytical Chemistry+		
HSML 2513 Laboratory Practicum II+		
HSML 2515 Pathogenic Microbiology+		
HSML 2613 Laboratory Practicum III+		
HSML 2713 Laboratory Practicum IV+		

SUPPORT & RELATED REQUIREMENTS (3 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

HSML 1103 Introduction to Medical Laboratory+		

+Check course description for prerequisites that must be met.
***Transferability of courses should be confirmed prior to student's transfer.**

Medical Laboratory Technology Associate in Applied Science Degree (64 credit hours minimum)

Suggested Order of Enrollment

Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the course catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Pre-program (1st Year)

Fall	Spring
CHEM 1114 Introductory Chemistry+	ENGL 1213 English Composition II+
ENGL 1113 English Composition I+	HSBC 1104 Anatomy & Physiology
HIST 1483 U.S. History to 1877	**OR** BIOL 2424 Human Physiology+
OR HIST 1493 U.S. History Since 1877	HSBC 1224 Introduction to Clinical Microbiology
PSYC 1113 Introduction to Psychology	HSML 1103 Introduction to Medical Laboratory+
	POLS 1113 American Federal Government

Program (2nd Year)

Fall	Spring
HSML 1114 Hematology/Hemostasis+	HSML 1122 Immunology and Serology+
HSML 1202 Urinalysis+	HSML 1224 Immunohematology+
HSML 2413 Laboratory Practicum I+	HSML 2415 Clinical Analytical Chemistry+
HSML 2513 Laboratory Practicum II+	HSML 2613 Laboratory Practicum III+
HSML 2515 Pathogenic Microbiology+	HSML 2713 Laboratory Practicum IV+

Nursing Science Associate in Applied Science Degree
(70 credit hours minimum)

Program Goals & Outcomes
Nursing Science Program prepares graduates for practice as registered nurses (RNs) in exciting, challenging, and fulfilling careers. The program is fully accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000, www.acenursing.org, and approved by the Oklahoma Board of Nursing: http://nursing.ok.gov/ Graduates are eligible to apply to the Board of Nursing to take the National Council Licensure Examination (NCLEX) for Registered Nurses.

Graduates will be prepared to:

1. Plan, provide, and evaluate comprehensive, competent nursing care incorporating compassion and respect for persons' needs, preferences, and values;
2. Function effectively within nursing and interdisciplinary health care teams in a variety of settings;
3. Practice legally, ethically, and safely with commitment to continuous improvement and incorporation of best practices; and
4. Display professionalism, integrity, and accountability for actions and achievements.

Program Vision: The progressive Associate Degree Nursing Program of choice, promoting excellence in an atmosphere of dynamic education to serve the needs of the community.

Program Mission: To facilitate the growth and transition of students into the role of the Associate Degree Registered Nurse practicing with integrity, accountability, excellence, passion, and a commitment to continued improvement.

Program Tracks
The Beginning Track exists for students with little to no health care experience. Licensed practical nurses, paramedics, and some military medics are able to advance their education through the Career Ladder Track.

Program Options & Hours
In both track options, theoretical coursework can be completed in a traditional classroom setting during day or evening hours, or can be completed in an online classroom. Day classes begin around 11 a.m. Evening classes begin around 4 p.m. Laboratory and clinical experiences for all track options occur in exciting, technologically advanced settings. Laboratory classes vary by semester but are typically 1 day a week for 2-4 hours. Clinical experiences usually follow shift hours typical in hospital settings (6:30 a.m.-3 p.m. for day shift and 2:30-11 p.m. for evening shift) and could be any day of the week. Students enrolled in the evening option or the online option are usually scheduled for evening shifts during the week or any shift on the weekend. Students in all options may be required to complete a portion of the clinical experiences during weekday hours. Schedules are made available to students ahead of time for planning purposes.

Program Admission
Entry into the program is through an admission process. Although there are prerequisite courses that must be completed prior to eligibility for enrollment in the program, most students complete most or all of the General Education and Support & Related coursework prior to applying for admission to the program. Applications for admission are accepted twice a year: February 1-March 1 and August 1-September 1. Students are admitted to both tracks in the Fall and Spring semesters each year. Students can apply to the traditional option in both Fall and Spring, but only those who apply in Spring can be admitted to the evening/weekend option, and only those who apply in Fall can be admitted to the online option. Career Ladder Track admission numbers vary each semester dependent upon the number of Beginning Track students who progress into the 3rd semester. Admissions are as follows:

Degree Awarded
Associate in Applied Science

Contact Information
Nursing Science Program Office
(405) 736-0337

Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Nursing Science Associate in Applied Science Degree

(70 credit hours minimum)

All courses on the Nursing Science degree must earn a C or better to be eligible for graduation.

GENERAL EDUCATION REQUIREMENTS (31 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (16 hours)		
BIOL 2424 Human Physiology+		
CHEM 1114 Introductory Chemistry+		
HSBC 1224 Introduction to Clinical Microbiology		
HSBC 2114 Human Anatomy+		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (36 hours)

Program Director permission required for enrollment in all HSNS courses.

HSNS 1111 Introduction to Professional Nursing Skills*		
HSNS 1118 Professional Nursing Concepts I+* ***		
HSNS 1219 Professional Nursing Concepts II+* ***		
HSNS 2119 Professional Nursing Concepts III+		
HSNS 2219 Professional Nursing Concepts IV+		

SUPPORT & RELATED REQUIREMENTS (3-7 hours)

Completion of these courses may be required prior to program admission.

HSNS 1214 Concepts for Transition to Professional Nursing Practice+ **		
HSBC 1113 Medical Terminology		

+Check course description for prerequisites that must be met.
***Beginning Track Students only**
****Career Ladder Track Students only**
*****Career Ladder Track students are eligible to receive credit for these courses by advance standing or challenge examination (5 credits for HSNS 1118; full credit for HSNS 1218). Students must meet additional requirements in order to enter the Nursing Science Program by advanced standing. See Nursing Science Program Advisement for Career Ladder Track and application for further information.**
NOTE: Students should be aware that they may be required to take developmental, "0-level," or prerequisite courses before being allowed to enroll in degree requirements.

Nursing Science Associate in Applied Science Degree
(70 credit hours minimum)

Suggested Order of Enrollment
Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Beginning Track
The Beginning Track can be completed in 4 semesters after completion of required prerequisite coursework. **Nursing classes must be taken in consecutive order upon acceptance to the program.**

Career Ladder Track (Qualified LPNs and Paramedics only)
The Career Ladder Track can be completed in 2 semesters after completion of required prerequisite coursework. **Nursing classes must be taken in consecutive order upon acceptance to the program.** Career Ladder applicants enter the Nursing Program in the 3rd semester.

Prerequisites

BIOL 2424 Human Physiology+
CHEM 1114 Introductory Chemistry+
ENGL 1113 English Composition I+
ENGL 1213 English Composition II+
HSBC 1113 Medical Terminology
HSBC 1224 Introduction to Clinical Microbiology
HSBC 2114 Human Anatomy+
POLS 1113 American Federal Government
PSYC 1113 Introduction to Psychology

HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877

HSNS 1111 Introduction to Professional Nursing Skills+ (for Beginning Track only)
OR HSNS 1214 Concepts for Transition to Professional Nursing Practice+ (for Career Ladder Track only)

Program

Semester I	Semester II
HSNS 1118 Professional Nursing Concepts I+	HSNS 1219 Professional Nursing Concepts II+
Semester III	**Semester IV**
HSNS 2119 Professional Nursing Concepts III+	HSNS 2219 Professional Nursing Concepts IV+

Radiologic Technology Associate in Applied Science Degree (86 credit hours)

Program Goals & Outcomes

Radiologic Technologists are certified professionals who, under the supervision of a physician, make X-ray exposures, assist the radiologist in fluoroscopy, process images, and position patients for diagnostic examinations. The goal of the Radiologic Technology Associate in Applied Science Degree Program is to provide graduates with entry-level employment skills in the field of Radiologic Technology.

Specific objectives include providing students with:

1. Necessary skills to accurately and consistently produce diagnostic radiographs;
2. The motivation to maintain high standards of ethics, patient care, and radiation safety;
3. The communication, problem-solving, and critical-thinking skills to function competently as part of the health care team; and
4. A commitment to life-long learning to prepare them for continued specialized education in other areas of diagnostic imaging.

Students must complete courses listed in the Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Applied Science Degree.

Program Outcomes Assessment

Measurement of Program Effectiveness is required by the program accrediting agency. This data is gathered and reported annually. Program completion rates, credentialing exam pass rates, and job placement rates are available on the RSC website under the program's information.

Application Period

The application period is February 1-April 15. Applications may be obtained after February 1 in the Health Sciences Division Office or by calling (405) 736-0336. Completed applications and all requested documents must be returned to the Health Sciences Office by April 15. All applicants are notified by letter as to their admission status after June 1. The 2-year Program begins in August.

Degree Awarded

Associate in Applied Science

Contact Information

Health Science Division Advisor
Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Program Director Katie Holloway, HSC 117
(405) 733-7569
kmholloway@rose.edu

Clinical Coordinator Marque Watson, HSC 118
(405) 733-7568
mwatson@rose.edu

Professor William Humphrey, HSC 119
(405) 736-0293
whumphrey@rose.edu

Radiologic Technology Associate in Applied Science Degree (86 credit hours)

GENERAL EDUCATION REQUIREMENTS (19 hours)

Students must earn a "C" or better in all General Education courses to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (4 hours)		
HSBC 2114 Human Anatomy+ ++		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (61 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

HSXT 1015 Basic Radiographic Anatomy & Positioning+		
HSXT 1105 Radiologic Technology I+		
HSXT 1112 Diagnostic Imaging Practicum I+		
HSXT 1205 Radiologic Technology II+		
HSXT 1215 Diagnostic Imaging Practicum II+		
HSXT 1223 Radiologic Physics+		
HSXT 2302 Special Radiologic Procedures & Radiobiology+		
HSXT 2313 Summer Imaging Practicum I+		
HSXT 2405 Radiologic Technology III+		
HSXT 2415 Medical Imaging Practicum I+		
HSXT 2423 Department Admin & Records/Pharmacology+		
HSXT 2505 Radiologic Technology IV+		
HSXT 2515 Medical Imaging Practicum II+		
HSXT 2522 Radiologic Technology Seminar+		
HSXT 2602 Summer Imaging Practicum II+		
HSXT 2614 Analytic Radiologic Technology+		

SUPPORT & RELATED REQUIREMENTS (6 hours)

Completion of these courses may be required prior to program admission.
Students must earn a "C" or better in CIT 1103 and HSBC 1113 to be eligible for graduation.

CIT 1103 Introduction to Computers++		
HSBC 1113 Medical Terminology++		

+Check course description for prerequisites that must be met.
++Courses must be taken no more than 5 years before entering the program.

Radiologic Technology Associate in Applied Science Degree (86 credit hours)

Suggested Order of Enrollment

Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

<table>
<tr><td><u>Pre-Program Admission Prerequisites—Fall</u>
CIT 1103 Introduction to Computers
ENGL 1113 English Composition I+
HIST 1483 U.S. History to 1877
<u>OR</u> HIST 1493 U.S. History Since 1877
HSBC 1113 Medical Terminology</td><td><u>Pre-Program Admission Prerequisites—Spring</u>
ENGL 1213 English Composition II+
HSBC 2114 Human Anatomy+
POLS 1113 American Federal Government
PSYC 1113 Introduction to Psychology</td></tr>
<tr><td><u>Fall I</u>
HSXT 1015 Basic Radiographic Anatomy & Positioning+
HSXT 1105 Radiologic Technology I+
HSXT 1112 Diagnostic Imaging Practicum I+</td><td><u>Spring I</u>
HSXT 1205 Radiologic Technology II+
HSXT 1215 Diagnostic Imaging Practicum II+
HSXT 1223 Radiologic Physics+</td></tr>
<tr><td colspan="2"><u>Summer I</u>
HSXT 2313 Summer Imaging Practicum I+
HSXT 2423 Department Administration & Records/Pharmacology+</td></tr>
<tr><td><u>Fall II</u>
HSXT 2302 Special Radiologic Procedures & Radiobiology+
HSXT 2405 Radiologic Technology III+
HSXT 2415 Medical Imaging Practicum I+</td><td><u>Spring II</u>
HSXT 2505 Radiologic Technology IV+
HSXT 2515 Medical Imaging Practicum II+
HSXT 2522 Radiologic Technology Seminar+</td></tr>
<tr><td colspan="2"><u>Summer II</u>
HSXT 2602 Summer Imaging Practicum II+
HSXT 2614 Analytic Radiologic Technology+</td></tr>
</table>

Respiratory Therapist Associate in Applied Science Degree
(73 credit hours)

Program Goals & Outcomes
Respiratory Therapists care for patients who have trouble breathing from a chronic respiratory disease, such as asthma or emphysema. Their patients range from premature infants with undeveloped lungs to elderly patients who have diseased lungs. They also provide emergency care to patients suffering from heart attacks, trauma, or shock. For more information on "What is a Respiratory Therapist," go to: http://www.aarc.org/careers/what-is-an-rt/

Upon completion of the program, graduates will be a competent Respiratory Therapists, and will demonstrate:
1. Professional behavior consistent with employer expectations;
2. The ability to comprehend, apply, and evaluate clinical information relevant to their roles as Respiratory Therapists; and
3. The technical proficiency in all the skills necessary to fulfill their roles as Respiratory Therapists.

Program graduates are eligible to take the National Board for Respiratory Care (NBRC) credentialing exams. Licensure to practice respiratory care in the State of Oklahoma requires the graduate to obtain the Certified Respiratory Therapist Credential (CRT) from the NBRC.

Students must complete all sciences listed under General Education and all Program Requirements with a minimum grade of "C" in each course to receive the Associate in Applied Science Degree.

Program Accreditation
The program is accredited by the Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, TX 72021-4244: www.coarc.com

Program Outcomes Assessment
For 3-year average of outcomes, click on the "For Students and Public" then "Programmatic Outcomes Data" tabs at: www.coarc.com

Application Period
The application period is February 1-May 15. Applications may be obtained starting February 1 in the Health Sciences Division Office or online: www.rose.edu/rt

Students may apply to the program while completing prerequisites. All science prerequisites must be completed prior to beginning the professional education in the Fall. Completed applications and required documents must be submitted to the Health Sciences Division Office by April 15. Late applications may be considered if space is available in the program.

Articulation Agreement
Rose State College has an articulation agreement with Midwestern State University in Wichita Falls, TX. Graduates of the Respiratory Therapist Program interested in obtaining a 4-year degree in Respiratory Care are eligible to enroll in the RRT to BSRC online degree at Midwestern State University. Website: https://mwsu.edu/academics/hs2/respiratory/rrt-to-bsrc

Degree Awarded
Associate in Applied Science

Contact Information
Tiffany Lowery, Program Director
(405) 736-0330
tlowery@rose.edu

Nicole Mitscher
(405) 733-7562
hsadvisor@rose.edu

Respiratory Therapist Associate in Applied Science Degree

(73 credit hours)

GENERAL EDUCATION REQUIREMENTS (31 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Students must earn a "C" or better in all General Education courses to be eligible for graduation.		
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (16 hours)		
BIOL 2424 Human Physiology+ ++		
CHEM 1114 Introductory Chemistry+ ++		
HSBC 1224 Introduction to Clinical Microbiology++		
HSBC 2114 Human Anatomy+ ++		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (39 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HSRT 2103 Pulmonary Diagnostics+		
HSRT 2114 Respiratory Therapy Procedures I+		
HSRT 2202 Respiratory Therapy Procedures II+		
HSRT 2211 Ethics & Health Care Systems for Respiratory Care Practitioners		
HSRT 2213 Mechanical Ventilation+		
HSRT 2221 Introduction to Clinic+		
HSRT 2224 Respiratory Therapy Clinic Practice I+		
HSRT 2233 Respiratory Physiology+		
HSRT 2242 Respiratory Pharmacology+		
HSRT 2324 Respiratory Therapy Clinic Practice II+		
HSRT 2333 Respiratory Pathology+		
HSRT 2334 Respiratory Therapy Clinic Practice III+		
HSRT 2342 Respiratory Therapy Critical Care+		
HSRT 2353 Pediatric Respiratory Care+		

SUPPORT & RELATED REQUIREMENTS (3 hours)		
Students must earn a "C" or better to be eligible for graduation.		
HSBC 1113 Medical Terminology++		

+Check course description for prerequisites that must be met.
++Courses must be taken no more than 7 years before entering the program.

Respiratory Therapist Associate in Applied Science Degree

(73 credit hours)

Suggested Order of Enrollment

Consult with the Health Sciences division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

Pre-Program Admission Prerequisites—1st Semester	Pre-Program Admission Prerequisites—2nd Semester
CHEM 1114 Introductory Chemistry+ ENGL 1113 English Composition I+ HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877 HSBC 1113 Medical Terminology POLS 1113 American Federal Government	ENGL 1213 English Composition II+ HSBC 1224 Introduction to Clinical Microbiology HSBC 2114 Human Anatomy+ PSYC 1113 Introduction to Psychology
Pre-Program Admission Prerequisites—3rd Semester BIOL 2424 Human Physiology+	
Program Requirements—Fall	**Program Requirements—Spring**
HSRT 2103 Pulmonary Diagnostics+ HSRT 2114 Respiratory Therapy Procedures I+ HSRT 2211 Ethics & Health Care Systems for Respiratory Care Practitioners HSRT 2233 Respiratory Physiology+ HSRT 2242 Respiratory Pharmacology+ HSRT 2333 Respiratory Pathology+	HSRT 2202 Respiratory Therapy Procedures II+ HSRT 2213 Mechanical Ventilation+ HSRT 2224 Respiratory Therapy Clinic Practice I+ HSRT 2342 Respiratory Therapy Critical Care+ HSRT 2353 Pediatric Respiratory Care+
Program Requirements—Summer HSRT 2324 Respiratory Therapy Clinic Practice II+ (1st 5 weeks) HSRT 2334 Respiratory Therapy Clinic Practice III+ (2nd 5 weeks)	

Liberal Arts & Sciences Division

Programs

Associate in Arts/Science Degrees, Options/Emphases & Certificates

Criminal Justice
- Criminal Justice Option
- Police Science Option

English

Family Services & Child Development (AA)
- Administration Option
- Child Development Option
  - Certificate of Mastery (CoM)**
- Family Services Option

Fine Arts
- Art Emphasis
- Music Emphasis
- Musical Theatre Emphasis
- Photography Emphasis
- Theatre Emphasis

Health & Sports Sciences
- Exercise/Fitness Management Option**
- Health, Physical Education & Recreation (HPER) Option**
- Personal Trainer Option**

History
- General Option
- Native American Studies Option**

Liberal Studies
- Cultural Studies Emphasis
- Interdisciplinary Studies Emphasis**
- Philosophy Emphasis

Mass Communication

Modern Languages
- Spanish**

Political Science

Pre-Education

Psychology

Social Sciences

Sociology
- Counseling/Social Work Option
- Gender Studies Option
- Sociology Option

Associate in Applied Science Degree

Family Services & Child Development (AAS)

Film Studies & Digital Media
- Digital Media
- Film Studies

Library Technical Assistant

**Embedded certificate

Criminal Justice Associate in Arts Degree
Criminal Justice Option (61 credit hours minimum)

Program Goals & Outcomes

The goal of the Criminal Justice Associate in Arts Degree, Criminal Justice Option, is to prepare students who are interested in or already employed in a career in the criminal justice field. It is also designed to transfer to a college or university baccalaureate degree program in the Criminal Justice field.

Specific objectives include providing students with:

1. Introductory information about the Criminal Justice field;
2. A broad foundation of knowledge and skills in specific, career-related coursework in areas related to investigation, the governance system, and special problems in law enforcement;
3. Relevant support courses in sociology, psychology, and computer applications; and
4. A general education foundation to enhance students' ability to communicate, think critically, and analyze problems.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all Criminal Justice graduates. Successful completion of these courses (with a grade of "C" or better) will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Julia Kelly
Social Sciences Division Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

Professor James Johnson
(405) 736-0238
jzjohnson@rose.edu

Criminal Justice Associate in Arts Degree
Criminal Justice Option (61 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (36 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours) **Students must earn a "C" or better in SOC 1113 to be eligible for graduation.**		
SOC 1113 Introduction to Sociology+		
General Education (3 hours) **Students must earn a "C" or better in CJ 2303 to be eligible for graduation.**		
CJ 2303 Cultural Diversity & Criminal Justice+		
HPER Elective (2 hours minimum)–Any course(s) with HPER prefix**.**		

PROGRAM REQUIREMENTS (13 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
CJ 1123 Introduction to Law Enforcement		
CJ 2401 Police Report Writing		
CJ 2503 Criminology+		
CJ 2703 Delinquency & the Juvenile Justice System		
CJ 2863 Ethics in Criminal Justice		

OPTION REQUIREMENTS (12 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
CJ 1103 Introduction to the Criminal Process		
CJ 1113 Introduction to Corrections		
CJ 2193 Criminal Justice Internship+		
CJ 2453 Probation, Parole, & Community Corrections		

+Check course description for prerequisites that must be met.

Criminal Justice Associate in Arts Degree
Criminal Justice Option (61 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CJ 1103 Introduction to the Criminal Process CJ 1113 Introduction to Corrections CJ 2401 Police Report Writing SOC 1113 Introduction to Sociology+	CJ 1123 Introduction to Law Enforcement CJ 2303 Cultural Diversity & Criminal Justice+ CJ 2453 Probation, Parole, & Community Corrections
3rd Semester	**4th Semester**
CJ 2193 Criminal Justice Internship+ CJ 2863 Ethics in Criminal Justice	CJ 2503 Criminology+ CJ 2703 Delinquency & the Juvenile Justice System

Criminal Justice Associate in Arts Degree Police Science Option (68 credit hours minimum)

Program Goals & Outcomes

The goal of the Criminal Justice Associate in Arts Degree, Police Science Option, is to prepare students for entry-level employment in the law enforcement field or to continue their education in a related baccalaureate degree program at a 4-year college or university.

Specific objectives include providing students with:

1. Introductory information about the law enforcement field;
2. A broad foundation of knowledge and skills in specific, career-related coursework such as investigation and interviewing, police report writing, and criminal procedure;
3. Relevant support courses in sociology, psychology, and computer applications; and
4. A general education foundation to enhance students' ability to communicate, think critically, and analyze problems.

Through a cooperative agreement with OSU/OKC, students will be provided with the education and training necessary to be hired as an Oklahoma state-certified peace officer. Classes in the Police Science program will include all the skills and knowledge required by the Council on Law Enforcement Education and Training (CLEET). This program is also designed to transfer to a college or university baccalaureate degree program in the Criminal Justice field.

Program Outcomes Assessment

Students completing the Police Science Option are eligible to stand for the Council on Law Enforcement Education and Training (CLEET) Certification Exam. If the exam is successfully completed, students are recognized as certified peace officers in the State of Oklahoma.

Degree Awarded

Associate in Arts

Contact Information

Julia Kelly
Social Sciences Division Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

Professor James Johnson
(405) 736-0238
jzjohnson@rose.edu

CRIMINAL JUSTICE ASSOCIATE IN ARTS DEGREE
POLICE SCIENCE OPTION (68 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab. See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in SOC 1113 to be eligible for graduation.		
SOC 1113 Introduction to Sociology+		
General Education (3 hours)		
Students must earn a "C" or better in CJ 2303 to be eligible for graduation.		
CJ 2303 Cultural Diversity & Criminal Justice+		
HPER (3 hours)		
HPER 1113 First Aid/First Responder		

PROGRAM REQUIREMENTS (13 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CJ 1123 Introduction to Law Enforcement		
CJ 2401 Police Report Writing		
CJ 2503 Criminology+		
CJ 2703 Delinquency & the Juvenile Justice System		
CJ 2863 Ethics in Criminal Justice		

OPTION REQUIREMENTS (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CJ 2603 Criminal Procedure		
CJ 2803 Criminal Investigation & Interviewing		

POLICE SCIENCE (12 hours)–Classes offered at OSU-OKC as part of a cooperative agreement with RSC.		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PLSC 1143 Traffic		
PLSC 1211 Firearms		
PLSC 1313 Patrol Procedures		
PLSC 2111 Defensive Tactics		
PLSC 2211 Emergency Vehicle Operation		
PLSC 2253 Survey Police Sciences		

+Check course description for prerequisites that must be met.

Criminal Justice Associate in Arts Degree
Police Science Option (68 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CJ 1123 Introduction to Law Enforcement CJ 2401 Police Report Writing SOC 1113 Introduction to Sociology+	CJ 2303 Cultural Diversity & Criminal Justice+ CJ 2603 Criminal Procedure HPER 1113 First Aid/First Responder POLS 1113 American Federal Government
3rd Semester	**4th Semester**
CJ 2503 Criminology+ CJ 2703 Delinquency & the Juvenile Justice System CJ 2803 Criminal Investigation & Interviewing CJ 2863 Ethics in Criminal Justice	PLSC 1143 Traffic PLSC 1211 Firearms PLSC 1313 Patrol Procedures PLSC 2111 Defensive Tactics PLSC 2211 Emergency Vehicle Operation PLSC 2253 Survey Police Sciences

English Associate in Arts Degree
(63 credit hours minimum)

Program Goals & Outcomes
The goal of the English Associate in Arts Program is to prepare students to transfer to a 4-year college or university to pursue a baccalaureate Degree in English. The program includes courses generally completed during the first 2 years of a 4-year English curriculum.

Graduates will be able to:

1. Engage in critical reading of a variety of literary genres, and recognize, understand, and explain various literary elements of texts;
2. Demonstrate knowledge of British and American key authors, works, and literary periods, then relate texts to the cultural, historical, and social context in which they were produced;
3. Analyze and interpret texts based on both original ideas and literary theory;
4. Write well-organized, thesis-driven literary argument papers, supporting ideas with explicit reasoning and textual evidence;
5. Conduct research, evaluate secondary sources, and cite literary evidence using accurate MLA conventions;
6. Demonstrate the ability to use complex language in a variety of contexts, both written and spoken;
7. Examine how language and literature shapes their world view and deepens their personal insights; and
8. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of “C” in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor’s degree program.

Program Outcomes Assessment
During their final semester, English majors will enroll in ENGL 2503 English Capstone.

Degree Awarded
Associate in Arts

Contact Information
Humanities Division Advisor
(405) 733-7999
www.rose.edu/english

Professor Kristin Hahn, HU 133-E
(405) 733-7519
khahn@rose.edu

ENGLISH ASSOCIATE IN ARTS DEGREE

(63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See list in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in ENGL 2113 to be eligible for graduation.		
ENGL 2113 Introduction to Literature+		
General Education Electives (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Limited General Education/Support & Related Electives on next page.		

PROGRAM REQUIREMENTS (21 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGL 2213 American Literature to 1865+		
ENGL 2223 American Literature from 1865+		
ENGL 2313 English Literature to 1798+		
ENGL 2323 English Literature from 1798+		
ENGL 2503 English Capstone+		
English Additional Requirements (6 hours)—See next page.		

SUPPORT & RELATED ELECTIVES (3 hours)		
Students must earn a "C" or better in this course to be eligible for graduation.		
See Limited General Education/Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

English Associate in Arts Degree
(63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Limited General Education/Support & Related Electives
ART 1103 Art Appreciation
HUM 2113 Humanities through the Middle Ages+
HUM 2223 Humanities from the Renaissance+
HUM 2343 Classical Mythology+
LTA 1313 Introduction to Library Public Services
MCOM 1213 Public Speaking
MUS 1203 Music in Life
TH 1353 Introduction to Theatre
Any 1000 or 2000 course with ENGL or PHIL prefix
Elementary I or II language course+

English Additional Requirements
ENGL 2033 Creative Writing+ **OR** ENGL 2063 Poetry Writing
ENGL 2133 Bible as Literature+
ENGL 2153 Fantasy & Science Fiction Literature+
ENGL 2233 Native American Literature+
ENGL 2243 Black American Literature and Media+
ENGL 2253 Women in American Literature+
ENGL 2413 World Literature to 1674+
ENGL 2423 World Literature from 1674+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
ENGL 1113 English Composition I+ 3 hours of Support & Related Requirements	ENGL 1213 English Composition II+ ENGL 2113 Introduction to Literature+ 3 hours of Additional English Requirements **Summer Semester** ENGL 2323 English Literature from 1798+
3rd Semester	**4th Semester**
ENGL 2213 American Literature to 1865+ (Fall only) ENGL 2313 English Literature to 1798+ (Fall only)	ENGL 2223 American Literature from 1865+ ENGL 2503 English Capstone+ 3 hours of Additional English Requirements

Family Services & Child Development Associate in Applied Science Degree (60 credit hours minimum)

Program Goals & Outcomes

Family Services and Child Development students develop the skills needed to provide professional early childhood education services for young children and families. This introductory-level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students learn issues in the provision of services to children birth through age 8 in a child-care setting. The program also requires service learning where students are assigned to work with seasoned professionals in the field, enabling application and further understanding of theoretical frameworks discussed in class.

Upon successful completion of this program, students will be able to:

1. Students will explain child development and learning in context;
2. Students will evaluate family-teacher partnerships and community connections;
3. Students will demonstrate child observation, documentation and assessment;
4. Students will create developmentally, culturaly, and linguistically appropriate teaching practices;
5. Students will apply knowledge, application, and integration of academic content in the early childhood curriculum; and
6. Students will critique professionalism as an early childhood educator.

Mission Statement

The Family Services and Child Development Program is committed to providing sound pedagogical opportunities enabling students to gain an understanding and appreciation of complexities of children and families within various early care and youth education environments. Students learn to address the needs of children and families through the precepts of developmentally appropriate practice and comprehensive theoretical understanding. Students are provided opportunities to utilize their pedagogical skills in real-world applications through field experiences in a variety of settings. It is our belief that through the application of these skills, students will be prepared to meet the developmental needs of children and families and to apply their knowledge in educational, professional, and outreach programs.

Conceptual Framework

The Rose State College Program models its conceptual framework after the work of Urie Bronfenbrenner's Bioecological Systems Theory, believing in the bidirectional influences of the systems of relationships that form throughout students' environments. Just as Bronfenbrenner's theory defines complex "layers" of environment, each having an effect on a child's development, the FSCD program defines the "layers" that have an effect on students' professional development. The interaction between factors in students' maturing sense of the early childhood profession, their immediate community, their cultural environment, and the early childhood faculty fuels and steers their development. Changes or conflict in any one layer will ripple throughout other layers. To evaluate students' development, we must look not only at students and their immediate environments, but also at the interaction of the larger environment as well. The FSCD faculty believes in the power of students understanding the bidirectional influence the environment has on them. Conversely, the faculty believes in the power of the students understanding the influence they have on their direct environment. Students in this program will gain knowledge of theory, developmentally appropriate practices, models of education, understanding of research, early learning guidelines, and the importance of high quality care and education. They will then be able to impact the field of early childhood in a truly inspiring manner, leaving a legacy of greatness for both children and families.

Program Outcomes Assessment

FSCD 2233 Practicum in FSCD contains the program competencies required of all Family Services & Child Development graduates. Successful completion of this course, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Applied Science

Contact Information

Joetta Gatliff, FSCD Professor
(405) 736-0323

Julia Kelly, Social Sciences Division Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

April Snoddy, Scholars Program Coordinator
(405) 733-7449
asnoddy@rose.edu

Family Services & Child Development Associate in Applied Science Degree (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education Electives (6 hours minimum)		
SOC 1113 Introduction to Sociology+		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (33 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

FSCD 1213 Introduction to FSCD		
FSCD 1313 Health, Safety, & Nutrition for Families & Children		
FSCD 1323 Developmentally Appropriate Practices & Environments		
FSCD 2213 Curriculum Planning+		
FSCD 2233 Practicum in FSCD+		
FSCD/PSYC 2433 Observing & Assessing Human Behavior+		
FSCD/PSYC 2523 Child Growth & Development		
FSCD 2533 Guidance of Young Children+		
FSCD 2573 Family, School, & Community Relations		
FSCD 2613 Infant/Toddler Programs		
FSCD 2633 Administration in FSCD Programs		

SUPPORT & RELATED REQUIREMENTS (9 hours minimum)

Students must earn a "C" or better in these courses to be eligible for graduation.

FSCD/SOC 2333 Families & Substance Abuse+		
FSCD 2223 Language & Literacy		
FSCD/SOC 2463 Understanding Child Abuse & Neglect+		

NOTES:

Background Check Requirement: All FSCD program majors must obtain an OSBI Background Check and Drug Screening Tests upon enrollment in FSCD 2433 and FSCD 2233. These 2 requirements are at the students' cost.

+Check course description for prerequisites that must be met.

Family Services & Child Development Associate in Applied Science Degree (60 credit hours minimum)

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSCD 1213 Introduction to FSCD FSCD 1313 Health, Safety, & Nutrition for Families & Children FSCD 1323 Developmentally Appropriate Practices & Environments	FSCD 2213 Curriculum Planning+ FSCD/PSYC 2523 Child Growth & Development FSCD 2533 Guidance of Young Children+
3rd Semester	**4th Semester**
FSCD/PSYC 2433 Observing & Assessing Human Behavior+ FSCD 2573 Family, School, & Community Relations	FSCD 2233 Practicum in FSCD+ FSCD 2613 Infant/Toddler Programs FSCD 2633 Administration in FSCD Programs

Family Services & Child Development Associate in Arts Degree , Administration Option (64 credit hours minimum)

Program Goals & Outcomes

Family Services and Child Development students develop the skills needed to provide professional early childhood education services for young children and families. This introductory-level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students learn issues in the provision of services to children birth through age 8 in a child-care setting. The program also requires service learning where students are assigned to work with seasoned professionals in the field, enabling application and further understanding of theoretical frameworks discussed in class.

Upon successful completion of this program, students will be able to:

1. Students will explain child development and learning in context;
2. Students will evaluate family-teacher partnerships and community connections;
3. Students will demonstrate child observation, documentation and assessment;
4. Students will create developmentally, culturaly, and linguistically appropriate teaching practices;
5. Students will apply knowledge, application, and integration of academic content in the early childhood curriculum; and
6. Students will critique professionalism as an early childhood educator.

Mission Statement

The Family Services and Child Development Program is committed to providing sound pedagogical opportunities enabling students to gain an understanding and appreciation of complexities of children and families within various early care and youth education environments. Students learn to address the needs of children and families through the precepts of developmentally appropriate practice and comprehensive theoretical understanding. Students are provided opportunities to utilize their pedagogical skills in real-world applications through field experiences in a variety of settings. It is our belief that through the application of these skills, students will be prepared to meet the developmental needs of children and families and to apply their knowledge in educational, professional, and outreach programs.

Conceptual Framework

The Rose State College Program models its conceptual framework after the work of Urie Bronfenbrenner's Bioecological Systems Theory, believing in the bidirectional influences of the systems of relationships that form throughout students' environments. Just as Bronfenbrenner's theory defines complex "layers" of environment, each having an effect on a child's development, the FSCD program defines the "layers" that have an effect on students' professional development. The interaction between factors in students' maturing sense of the early childhood profession, their immediate community, their cultural environment, and the early childhood faculty fuels and steers their development. Changes or conflict in any one layer will ripple throughout other layers. To evaluate students' development, we must look not only at students and their immediate environments, but also at the interaction of the larger environment as well. The FSCD faculty believes in the power of students understanding the bidirectional influence the environment has on them. Conversely, the faculty believes in the power of the students understanding the influence they have on their direct environment. Students in this program will gain knowledge of theory, developmentally appropriate practices, models of education, understanding of research, early learning guidelines, and the importance of high quality care and education. They will then be able to impact the field of early childhood in a truly inspiring manner, leaving a legacy of greatness for both children and families.

Program Outcomes Assessment

FSCD 2233 Practicum in FSCD contains the program competencies required of all Family Services & Child Development graduates. Successful completion of this course, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Joetta Gatliff, FSCD Professor
(405) 736-0323

Julia Kelly, Social Sciences Div. Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

April Snoddy, Scholars Program Coordinator
(405) 733-7449
asnoddy@rose.edu

Family Services & Child Development Associate in Arts Degree , Administration Option (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–Any 1000-level or higher MATH course.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 2213 Curriculum Planning+		
General Education Electives (6 hours minimum)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 1313 Health, Safety, & Nutrition for Families & Children		
FSCD 1323 Developmentally Appropriate Practices & Environments		

PROGRAM REQUIREMENTS (18 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 1213 Introduction to FSCD		
FSCD 2233 Practicum in FSCD+		
FSCD/PSYC 2433 Observing & Assessing Human Behavior+		
FSCD/PSYC 2523 Child Growth & Development		
FSCD 2533 Guidance of Young Children+		
FSCD 2573 Family, School, & Community Relations		

OPTION REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD/SOC 2463 Understanding Child Abuse & Neglect+		
FSCD 2633 Administration in FSCD Programs		
See Option Requirements on next page		

NOTES:
Background Check Requirement: All FSCD program majors must obtain an OSBI Background Check and Drug Screening Tests upon enrollment in FSCD 2433 and FSCD 2233. These 2 requirements are at the students' cost.

+Check course description for prerequisites that must be met.

Family Services & Child Development Associate in Arts Degree , Administration Option (64 credit hours minimum)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Option Requirements

ACCT 1123 College Accounting Procedures
BA 1103 Business Math
BA 1303 Introductin to Business
CIT 1093 Microcomputer Applications
MGMT 2103 Principles of Management
MGMT 2203 Human Resources Management
MGMT 2703 Small Business Management

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSCD 1213 Introduction to FSCD FSCD 1313 Health, Safety, & Nutrition for Families & Children FSCD 1323 Developmentally Appropriate Practices & Environments	FSCD 2213 Curriculum Planning+ FSCD/PSYC 2523 Child Growth & Development FSCD 2533 Guidance of Young Children+
3rd Semester	**4th Semester**
FSCD/PSYC 2433 Observing & Assessing Human Behavior+ FSCD/SOC 2463 Understanding Child Abuse & Neglect+ FSCD 2573 Family, School, & Community Relations	FSCD 2233 Practicum in FSCD+ FSCD 2633 Administration in FSCD Programs Director Option Requirement

Family Services & Child Development Associate in Arts Degree, Child Development Option, Certificate of Mastery in Child Development (64 credit hours minimum)

Program Goals & Outcomes

Family Services and Child Development students develop the skills needed to provide professional early childhood education services for young children and families. This introductory-level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students learn issues in the provision of services to children birth through age 8 in a child-care setting. The program also requires service learning where students are assigned to work with seasoned professionals in the field, enabling application and further understanding of theoretical frameworks discussed in class.

Upon successful completion of this program, students will be able to:

1. Students will explain child development and learning in context;
2. Students will evaluate family-teacher partnerships and community connections;
3. Students will demonstrate child observation, documentation and assessment;
4. Students will create developmentally, culturaly, and linguistically appropriate teaching practices;
5. Students will apply knowledge, application, and integration of academic content in the early childhood curriculum; and
6. Students will critique professionalism as an early childhood educator.

Mission Statement

The Family Services and Child Development Program is committed to providing sound pedagogical opportunities enabling students to gain an understanding and appreciation of complexities of children and families within various early care and youth education environments. Students learn to address the needs of children and families through the precepts of developmentally appropriate practice and comprehensive theoretical understanding. Students are provided opportunities to utilize their pedagogical skills in real-world applications through field experiences in a variety of settings. It is our belief that through the application of these skills, students will be prepared to meet the developmental needs of children and families and to apply their knowledge in educational, professional, and outreach programs.

Conceptual Framework

The Rose State College Program models its conceptual framework after the work of Urie Bronfenbrenner's Bioecological Systems Theory, believing in the bidirectional influences of the systems of relationships that form throughout students' environments. Just as Bronfenbrenner's theory defines complex "layers" of environment, each having an effect on a child's development, the FSCD program defines the "layers" that have an effect on students' professional development. The interaction between factors in students' maturing sense of the early childhood profession, their immediate community, their cultural environment, and the early childhood faculty fuels and steers their development. Changes or conflict in any one layer will ripple throughout other layers. To evaluate students' development, we must look not only at students and their immediate environments, but also at the interaction of the larger environment as well. The FSCD faculty believes in the power of students understanding the bidirectional influence the environment has on them. Conversely, the faculty believes in the power of the students understanding the influence they have on their direct environment. Students in this program will gain knowledge of theory, developmentally appropriate practices, models of education, understanding of research, early learning guidelines, and the importance of high quality care and education. They will then be able to impact the field of early childhood in a truly inspiring manner, leaving a legacy of greatness for both children and families.

Program Outcomes Assessment

FSCD 2233 Practicum in FSCD contains the program competencies required of all Family Services & Child Development graduates. Successful completion of this course, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts and/or Child Development Certificate of Mastery

Contact Information

Joetta Gatliff, FSCD Professor
(405) 736-0323

Julia Kelly, Social Sciences Div. Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

April Snoddy, Scholars Program Coordinator
(405) 733-7449
asnoddy@rose.edu

FAMILY SERVICES & CHILD DEVELOPMENT ASSOCIATE IN ARTS DEGREE, CHILD DEVELOPMENT OPTION, CERTIFICATE OF MASTERY IN CHILD DEVELOPMENT (64 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–Any 1000-level or higher MATH course.		
Liberal Arts (3 hours)		
FSCD/SOC 2463 Understanding Child Abuse & Neglect+ **OR** FSCD 2633 Administration in FSCD Programs		
General Education Electives (6 hours minimum)		
Students must earn a "C" or better in FSCD 2223 to be eligible for graduation.		
FSCD 2223 Language & Literacy		
FSCD 2613 Infant/Toddler Programs		

PROGRAM REQUIREMENTS (18 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 1213 Introduction to FSCD		
FSCD 2233 Practicum in FSCD+		
FSCD/PSYC 2433 Observing & Assessing Human Behavior+		
FSCD/PSYC 2523 Child Growth & Development		
FSCD 2533 Guidance of Young Children+		
FSCD 2573 Family, School, & Community Relations		

OPTION REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 1313 Health, Safety, & Nutrition for Families & Children		
FSCD 1323 Developmentally Appropriate Practices & Environments		
FSCD 2213 Curriculum Planning+		

NOTES:
Background Check Requirement: All FSCD program majors must obtain an OSBI Background Check and Drug Screening Tests upon enrollment in FSCD 2433 and FSCD 2233. These 2 requirements are at the students' cost.

+Check course description for prerequisites that must be met.

Family Services & Child Development Associate in Arts Degree, Child Development Option, Certificate of Mastery in Child Development (64 credit hours minimum)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Certificate of Mastery in Child Development Required Courses—18 Hours

The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Students must earn a "C" or better in all courses except ENGL 1113 to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ENGL 1113 English Composition I+		
FSCD 1213 Introduction to FSCD		
FSCD 1313 Health, Safety, & Nutrition for Families & Children		
FSCD 2533 Guidance of Young Children+		
FSCD 2573 Family, School, & Community Relations		
FSCD 1323 Developmentally Appropriate Practices & Environments		

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSCD 1213 Introduction to FSCD FSCD 1313 Health, Safety, & Nutrition for Families & Children FSCD 1323 Developmentally Appropriate Practices & Environments	FSCD 2213 Curriculum Planning+ FSCD/PSYC 2523 Child Growth & Development FSCD 2533 Guidance of Young Children+
3rd Semester	**4th Semester**
FSCD 2223 Language & Literacy FSCD/PSYC 2433 Observing & Assessing Human Behavior+ FSCD 2573 Family, School, & Community Relations	FSCD 2233 Practicum in FSCD+ FSCD/SOC 2463 Understanding Child Abuse & Neglect+ **OR** FSCD 2633 Administration in FSCD Programs

Family Services & Child Development Associate in Arts Degree, Family Services Option (64 credit hours minimum)

Program Goals & Outcomes

Family Services and Child Development students develop the skills needed to provide professional early childhood education services for young children and families. This introductory-level program will acquaint students to the multi-faceted, multi-skilled early childhood profession. Students learn issues in the provision of services to children birth through age 8 in a child-care setting. The program also requires service learning where students are assigned to work with seasoned professionals in the field, enabling application and further understanding of theoretical frameworks discussed in class.

Upon successful completion of this program, students will be able to:

1. Describe and analyze the multiple influences on the domains development and learning from birth through middle childhood and use developmental knowledge to assess healthy, respectful, and supportive environments;
2. Compare family systems theories and be able to apply related strategies to interactions between and among child-care facilities and the family, school, and community;
3. Articulate the goals, benefits, and purposes of assessment and use systematic observations, documentation, and other effective assessment strategies in a responsible way to positively influence the development of every child;
4. Create a wide array of developmentally appropriate approaches and instructional strategies to connect with children and families and positively influence each child's development and learning, which will vary depending on children's ages and characteristics;
5. Apply knowledge of developmental domains and academic (or content) disciplines to design meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for children; and
6. Identify and conduct themselves as members of the early childhood profession, knowing and using ethical guidelines and other professional standards related to early childhood practice.

Mission Statement

The Family Services and Child Development Program is committed to providing sound pedagogical opportunities enabling students to gain an understanding and appreciation of complexities of children and families within various early care and youth education environments. Students learn to address the needs of children and families through the precepts of developmentally appropriate practice and comprehensive theoretical understanding. Students are provided opportunities to utilize their pedagogical skills in real-world applications through field experiences in a variety of settings. It is our belief that through the application of these skills, students will be prepared to meet the developmental needs of children and families and to apply their knowledge in educational, professional, and outreach programs.

Conceptual Framework

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Program Outcomes Assessment

FSCD 2233 Practicum in FSCD contains the program competencies required of all Family Services & Child Development graduates. Successful completion of this course, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Joetta Gatliff, FSCD Professor
(405) 736-0323

Julia Kelly, Social Sciences Division Academic Advisor
(405) 733-7413
socsciadvisor@rose.edu

Jennifer Bachhofer, Scholars Program Coordinator
(405) 733-7449
jbachhofer@rose.edu

Family Services & Child Development Associate in Arts Degree, Family Services Option (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (40 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–Any 1000-level or higher MATH course.		
Liberal Arts (3 hours)		
SOC 1113 Introduction to Sociology+		
General Education Electives (9 hours minimum)		
Students must earn a "C" or better in FSCD 2223 to be eligible for graduation.		
FSCD 2223 Language & Literacy		
FSCD 2613 Infant/Toddler Programs		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (18 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD 1213 Introduction to FSCD		
FSCD 2233 Practicum in FSCD+		
FSCD/PSYC 2433 Observing & Assessing Human Behavior+		
FSCD/PSYC 2523 Child Growth & Development		
FSCD 2533 Guidance of Young Children+		
FSCD 2573 Family, School, & Community Relations		

OPTION REQUIREMENTS (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
FSCD/SOC 2333 Families & Substance Abuse+ **OR** FSCD/SOC 2463 Understanding Child Abuse & Neglect+		
FSCD/SOC 2403 The Family in Society+		

NOTES:

Background Check Requirement: All FSCD program majors must obtain an OSBI Background Check and Drug Screening Tests upon enrollment in FSCD 2433 and FSCD 2233. These 2 requirements are at the students' cost.

+Check course description for prerequisites that must be met.

Family Services & Child Development Associate in Arts Degree, Family Services Option (64 credit hours minimum)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSCD 1213 Introduction to FSCD FSCD 2533 Guidance of Young Children+ SOC 1113 Introduction to Sociology+	FSCD/PSYC 2523 Child Growth & Development FSCD/SOC 2333 Families & Substance Abuse+ **OR** FSCD/SOC 2463 Understanding Child Abuse & Neglect+ FSCD/SOC 2403 The Family in Society+
3rd Semester	**4th Semester**
FSCD 2223 Language & Literacy FSCD/PSYC 2433 Observing & Assessing Human Behavior+ FSCD 2573 Family, School, & Community Relations	FSCD 2233 Practicum in FSCD+ FSCD 2613 Infant/Toddler Programs

Film Studies and Digital Media Associate in Applied Science Degree, Digital Media Option (60 credit hours minimum)

Program Goals & Outcomes

The goal of the Film Studies and Digital Media Degree Program is to provide basic film and digital media production knowledge and skills through instruction of theory, technology, equipment operation, production, directing, audio, and post-production as a foundation for students who pursue professional opportunities in the traditional film industry and also those who intend to work for small companies or themselves as entrepreneurs through creation of online, digital content. The overall goal of the Film Studies and Digital Media AAS Degree Program is to prepare students to assume employment in a position with filmmaking or content creation responsibilities. Upon degree completion, students will be able to:

1. Develop the skills necessary to succeed in related jobs in various industries;
2. Develop written and organizational skills specific to film and digital media production;
3. Utilize camera, lighting, and sound equipment specific to film and digital video production;
4. Utilize software for computer design and layout specific to digital media production;
5. Utilize post-production software specific to film and digital media production; and
6. Effectively communicate through various media.

Degree Awarded

Associate in Applied Science

Contact Information

Humanities Division Advisor
(405) 733-7999

Marcus Mallard, Program Lead, FA 115
(405) 736-0394
mmallard@rose.edu
www.rose.edu/fsdm

Film Studies and Digital Media Associate in Applied Science Degree, Digital Media Option (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communication (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (9 hours)		
MCOM 1213 Public Speaking		
ECON 2103 Personal Finance		
Math (3 hours min.)–1000 level or higher Math course, excluding MATH 2013, MATH 2023, MATH 2033 & MATH 2091-6.		

PROGRAM REQUIREMENTS (18 hours)		
FSDM 2503 Production I **OR** MCOM/MULT 2503 Media Production		
FSDM 1103 Production Design **OR** TH 1103 Stage Craft		
MCOM 2513 Screenwriting		
FSDM 1213 Directing & Media Aesthetics		
FSDM 1313 Cinematography		
FSDM 1223 Basic Editing		

OPTION REQUIREMENTS (12 hours)		
MCOM/MKTG 2113 Digital Marketing Essentials		
MCOM 2333 Layout & Graphic Design **OR** MULT 1613 Computer Illustration		
FSDM 1413 Sound Recording and Design **OR** FSDM 2223 Advanced Editing & After Effects+		
FSDM 2923 Capstone: Digital Media+		

SUPPORT & RELATED REQUIREMENTS (9 hours)		
See Support & Related list on next page.		

Film Studies and Digital Media Associate in Applied Science Degree, Digital Media Option (60 credit hours minimum)

Support & Related Requirement list

ART 2413 Survey of Art, Technology & Culture+
AVI 1313 Introduction to UAS Operations
ENGL 2123 Introduction to Cinema+
FSDM 1833 Film History
FSDM 1913 Classical Hollywood Cinema
FSDM 2003 Film Producing
FSDM 2091-3 Special Topics in Film
FSDM 2801-3 Film and Digital Media Internship
MCOM/MULT 1123 Social Media Tools and Strategies
MCOM 1203 Media Writing+
MCOM/MULT 2413 Digital Photography
MGMT 2503 Project Management
MULT 1913 Animation
TH 1513 Acting I
TH 1533 Voice and Diction

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSDM 1103 Production Design FSDM 1213 Directing & Media Aesthetics FSDM 1313 Cinematography FSDM 2503 Production I	FSDM 1223 Basic Editing MCOM 2513 Screenwriting MCOM 2333 Layout & Graphic Design **OR** MULT 1613 Computer Illustration 3 hours of Support & Related Requirements
3rd Semester	**4th Semester**
FSDM 1413 Sound Recording and Design **OR** FSDM 2223 Advanced Editing & After Effects+ MCOM/MKTG 2113 Digital Marketing Essentials 3 hours of Support & Related Requirements	FSDM 2923 Capstone: Digital Media+ 3 hours of Support & Related Requirements

Film Studies and Digital Media Associate in Applied Science Degree, Film Studies Option (60 credit hours minimum)

Program Goals & Outcomes

The goal of the Film Studies and Digital Media Degree Program is to provide basic film and digital media production knowledge and skills through instruction of theory, technology, equipment operation, production, directing, audio, and post-production as a foundation for students who pursue professional opportunities in the traditional film industry and also those who intend to work for small companies or themselves as entrepreneurs through creation of online, digital content. The overall goal of the Film Studies and Digital Media AAS Degree Program is to prepare students to assume employment in a position with filmmaking or content creation responsibilities. Upon degree completion, students will be able to:

1. Develop the skills necessary to succeed in related jobs in various industries;
2. Develop written and organizational skills specific to film and digital media production;
3. Utilize camera, lighting, and sound equipment specific to film and digital video production;
4. Utilize software for computer design and layout specific to digital media production;
5. Utilize post-production software specific to film and digital media production; and
6. Effectively communicate through various media.

Degree Awarded

Associate in Applied Science

Contact Information

Humanities Division Advisor
(405) 733-7999

Marcus Mallard, Program Lead, FA 115
(405) 736-0394
mmallard@rose.edu
www.rose.edu/fsdm

Film Studies and Digital Media Associate in Applied Science Degree, Film Studies Option (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (21 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communication (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education (9 hours)		
MCOM 1213 Public Speaking		
ECON 2103 Personal Finance		
Math (3 hours min.)–1000 level or higher Math course, excluding MATH 2013, MATH 2023, MATH 2033 & MATH 2091-6.		

PROGRAM REQUIREMENTS (18 hours)		
FSDM 2503 Production I **OR** MCOM/MULT 2503 Media Production		
FSDM 1103 Production Design **OR** TH 1103 Stage Craft		
MCOM 2513 Screenwriting		
FSDM 1213 Directing & Media Aesthetics		
FSDM 1313 Cinematography		
FSDM 1223 Basic Editing		

OPTION REQUIREMENTS (12 hours)		
FSDM 2543 Production II+		
FSDM 1413 Sound Recording and Design		
FSDM 2223 Advanced Editing & After Effects+		
FSDM 2913 Capstone: Film Project+		

SUPPORT & RELATED REQUIREMENTS (9 hours)		
See Support & Related list on next page.		

Film Studies and Digital Media Associate in Applied Science Degree, Film Studies Option (60 credit hours minimum)

Support & Related Requirement list

ART 2413 Survey of Art, Technology & Culture+
AVI 1313 Introduction to UAS Operations
ENGL 2123 Introduction to Cinema+
FSDM 1833 Film History
FSDM 1913 Classical Hollywood Cinema
FSDM 2091-3 Special Topics in Film
FSDM 2003 Film Producing
FSDM 2801-3 Film and Digital Media Internship
MCOM/MULT 1123 Social Media Tools and Strategies
MCOM 1203 Media Writing+
MCOM/MULT 2413 Digital Photography
MGMT 2503 Project Management
MULT 1913 Animation
TH 1513 Acting I
TH 1533 Voice and Diction

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
FSDM 1103 Production Design FSDM 1213 Directing & Media Aesthetics FSDM 1313 Cinematography FSDM 2503 Production I	FSDM 1223 Basic Editing MCOM 2513 Screenwriting 6 hours of Support & Related Requirements
3rd Semester	**4th Semester**
FSDM 1413 Sound Recording and Design FSDM 2223 Advanced Editing and After Effects+ FSDM 2543 Production II+	FSDM 2913 Capstone: Film Project+ 3 hours of Support & Related Requirements

Fine Arts Associate in Arts Degree
Art Emphasis (63 credit hours minimum)

Program Goals & Outcomes

The goal of the Art Emphasis in the Fine Arts Associate in Arts Program is to prepare students to transfer to a fine arts, art education, and/or graphic communication baccalaureate degree program. Students will be prepared with courses generally completed in the first 2 years of a baccalaureate degree art curriculum.

Graduates will be able to:

1. Communicate visually at an intermediate level of proficiency in foundation courses;
2. Apply basic knowledge of the fundamentals of art in original works of art;
3. Apply knowledge of elements of design in creative work;
4. Develop and emphasize individual skills and interest in a visually and expressive manner;
5. Discuss the development of the visual arts in Western culture;
6. Evaluate and discuss the contribution of artists in Western culture;
7. Communicate a general analysis of artwork orally and in writing; and
8. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of “C” in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor’s degree program.

Program Outcomes Assessment

During their final semester, Art majors will enroll in ART 2902 Art Capstone upon completion of ART 1213, ART 1313, ART 2813 and ART 2823. Completion of or concurrent enrollment in ART 1323 and ART 2413 is also required.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/art

Professor Suzanne Thomas, CC 121
(405) 733-7515
sthomas@rose.edu

Fine Arts Associate in Arts Degree
Art Emphasis (63 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
ART 2813 Survey of Art History I		
ART 2823 Survey of Art History II		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (20 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ART 1213 Drawing I		
ART 1223 Drawing II+		
ART 1313 Fundamentals of Art		
ART 1323 Color I		
ART 2413 Survey of Art, Technology, & Culture+		
ART 2513 Painting I+		
ART 2902 Art Capstone+		

SUPPORT & RELATED ELECTIVES (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Fine Arts Associate in Arts Degree
Art Emphasis (63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Support & Related Electives
ART 1113 Photography I
ART 2093 Special Topics in Art
ART 2123 Photography II+
ART 2523 Painting II+
ART 2713 Independent Studies in Art
ART 2893 Ceramics I
MULT 1413 Digital Imaging
MULT 1613 Computer Illustration

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
ART 1213 Drawing I ART 1313 Fundamentals of Art ART 2813 Survey of Art History I (Fall only)	ART 1223 Drawing II+ (Spring only) ART 1323 Color I ART 2823 Survey of Art History II (Spring only)
3rd Semester	**4th Semester**
ART 2413 Survey of Art, Technology, & Culture+ ART 2513 Painting I+ 3 hours of Support & Related Requirements	ART 2902 Art Capstone+ 3 hours of Support & Related Requirements

Fine Arts Associate in Arts Degree
Music Emphasis (63 credit hours minimum)

Program Goals & Outcomes

The goal of the Music Emphasis of the Fine Arts Associate in Arts Program is to prepare students to transfer to a music performance or music education baccalaureate degree program. Students will be prepared with courses generally completed in the first 2 years of a baccalaureate degree music curriculum.

Graduates will be able to:

1. Extend their study into upper-level music theory, having gained a solid foundation in the beginning 4 semesters of music harmony and aural skills;
2. Complete a barrier exam of their applied music course of study in their chosen primary performing areas;
3. Reinforce and continue their practical application of musical knowledge through participation in musical ensembles;
4. Employ a basic understanding of music literature, including music of the middle ages through music of today; and
5. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment

During their final semester, music majors will enroll in MUS 2432 (Aural Theory IV) and MUS 2442 (Harmony IV). In these classes, students will work with a major professor to complete a competency examination. The examination will include a performance component as well as an oral and/or written component.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/music

Professor Tracey Gregg-Boothby, CC 133
(405) 733-7324
tgregg-boothby@rose.edu

FINE ARTS ASSOCIATE IN ARTS DEGREE
MUSIC EMPHASIS (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
MUS 1313 Music Literature I		
MUS 1323 Music Literature II		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
MUS 1263 Fund. of Music (required based on Harmony assessment results)		
General Education Electives (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MUS 1212 Aural Theory I+		
MUS 1222 Harmony I+		
MUS 1232 Aural Theory II+		

PROGRAM REQUIREMENTS (10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MUS 1242 Harmony II+		
MUS 2402 Aural Theory III+		
MUS 2422 Harmony III+		
MUS 2432 Aural Theory IV+		
MUS 2442 Harmony IV+		

MUSIC APPLIED REQUIREMENTS (16 hours)–See next page.		
Students must earn a "C" or better in these courses to be eligible for graduation.		
Primary Instrument (8 hours)—Private instruction only		
Secondary Instrument/Dance (4 hours)		
Ensemble Credit (4 hours)		

Fine Arts Associate in Arts Degree
Music Emphasis (63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Music Applied Requirements–Private
MUS 2501-2 Piano
MUS 2511-2 Voice
MUS 2521-2 Guitar
MUS 2541-2 Woodwind Instruments
MUS 2551-2 Brass Instruments
MUS 2561-2 Percussion Instruments
MUS 2571-2 Stringed Instruments

Music Applied Requirements–Group
MUS 1402 Group Piano I
MUS 1412 Beginning Group Guitar

Music Applied Requirements–Dance
TH 1341 Theatre Dance–Ballet Technique
TH 1351 Theatre Dance–Jazz & Tap

Music Applied Requirements–Ensemble
MUS 1001 Chorus
MUS 1201 Jazz Band
MUS 1301 Instrumental Ensemble
MUS 1501 Orchestra+
MUS 2101 Rose Chamber Singers

Suggested Order of Enrollment
Students are encouraged to see the Humanities advisor or a Music professor before enrolling. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MUS 1212 Aural Theory I+ (Fall only) MUS 1222 Harmony I+ (Fall only) 2 hours of Primary Instrument (Group or Private) 1 hour Ensemble	MUS 1232 Aural Theory II+ (Spring only) MUS 1242 Harmony II+ (Spring only) 2 hours of Primary Instrument (Private) 1 hour of Ensemble
3rd Semester	**4th Semester**
MUS 2402 Aural Theory III+ (Fall only) MUS 2422 Harmony III+ (Fall only) MUS 1313 Music Literature I (Fall only) 2 hours of Primary Instrument (Private) 2 hours of Secondary Instrument (Group or Private) **OR** Dance 1 hour of Ensemble	MUS 2432 Aural Theory IV+ (Spring only) MUS 2442 Harmony IV+ (Spring only) MUS 1323 Music Literature II (Spring only) 2 hours of Primary Instrument (Private) 2 hours of Secondary Instrument (Group or Private) **OR** Dance 1 hour of Ensemble

Note: Students pursuing Music Therapy should speak with RSC Music program advisor before enrolling in coursework.

Fine Arts Associate in Arts Degree
Musical Theatre Emphasis (63 credit hours minimum)

Program Goals & Outcomes

The goal of the Musical Theatre Emphasis in the Fine Arts Associate in Arts Program is to prepare students to transfer to a 4-year college or university to pursue a baccalaureate degree in musical theatre.

Graduates will be able to:

1. Demonstrate self-confidence, creative communication skills and organizational skills necessary to enter the job market;
2. Perform a variety of musical theatre styles;
3. Participate in varied and diverse musical stage productions;
4. Demonstrate a basic knowledge of stage dancing techniques; and
5. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree.

Program Outcomes Assessment

During their final semester of study, musical theatre majors will work with the professor in MUS 2512 to complete a competency examination that will include a performance component as well as a written portfolio.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/musical-theatre

Professor Tracey Gregg-Boothby, CC 133
(405) 733-7324
tgregg-boothby@rose.edu

Professor Rick Nelson, FA 103
(405) 736-0364
rnelson@rose.edu

Fine Arts Associate in Arts Degree
Musical Theatre Emphasis (63 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
MUS 1313 Music Literature I		
MUS 1323 Music Literature II		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
Students must earn a "C" or better in MUS 1212 and MUS 1222 to be eligible for graduation.		
MUS 1212 Aural Theory I+		
MUS 1222 Harmony I+		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MUS 1232 Aural Theory II+		
MUS 1242 Harmony II+		
MUS 1742 Musical Theatre Performance I		
MUS 1752 Musical Theatre Performance II+		
TH 1311 Theatre Production I		
TH 1321 Theatre Production II+		
TH 1341 Theatre Dance–Ballet Technique		
TH 1351 Theatre Dance–Jazz & Tap		
TH 1513 Acting I		

MUSICAL THEATRE APPLIED REQUIREMENTS (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MUS 2511-2 Voice		
MUS 2511-2 Voice		
MUS 2511-2 Voice		
MUS 2511-2 Voice		

MUSICAL THEATRE ADDITIONAL ELECTIVES (3 hours) – See next page.		
Students must earn a "C" or better in this course to be eligible for graduation.		

Fine Arts Associate in Arts Degree
Musical Theatre Emphasis (63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Musical Theatre Additional Electives
TH 1533 Voice & Diction
TH 2113 Theatrical Make-up
TH 2523 Acting II+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MUS 1212 Aural Theory I+ (Fall only) MUS 1222 Harmony I+ (Fall only) MUS 1313 Music Literature I (Fall only) TH 1311 Theatre Production I 2 hours of Private Voice Lessons	MUS 1232 Aural Theory II+ (Spring only) MUS 1242 Harmony II+ (Spring only) MUS 1323 Music Literature II (Spring only) TH 1321 Theatre Production II+ 2 hours of Private Voice Lessons
3rd Semester	**4th Semester**
MUS 1742 Musical Theatre Performance I TH 1341 Theatre Dance–Ballet Technique (Fall only) TH 1513 Acting I 2 hours of Private Voice Lessons	MUS 1752 Musical Theatre Performance II+ TH 1351 Theatre Dance–Jazz & Tap (Spring only) TH 1533 Voice & Diction **OR** TH 2113 Theatrical Make-up **OR** TH 2523 Acting II+ 2 hours of Private Voice Lessons

Fine Arts Associate in Arts Degree
Photography Emphasis (63 credit hours minimum)

Program Goals & Outcomes

The goal of the Photography Emphasis of the Fine Arts Associate in Arts Program is to prepare students to transfer to a 4-year college or university to pursue a degree in art with an emphasis in photography.

Graduates will be able to:

1. Demonstrate basic principles of photography, including manual and digital camera controls, exposure controls, film, flash, and composition;
2. Use various developers, films, and papers for unusual effects;
3. Develop and emphasize individual skills and interest in a visually and expressive manner;
4. Discuss the development of the visual arts in Western culture;
5. Evaluate and discuss the contribution of artists in Western culture;
6. Communicate a general analysis of artwork orally and in writing; and
7. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment

During their final semester, photography majors will enroll in ART 2912 Photography Capstone after having completed ART 1313 and either ART 2813 or 2823, and 6 hours of Program Requirements.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/art

Professor Suzanne Thomas, CC 121
(405) 733-7515
sthomas@rose.edu

Fine Arts Associate in Arts Degree
Photography Emphasis (63 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
ART 2813 Survey of Art History I		
ART 2823 Survey of Art History II		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (20 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ART 1113 Photography I		
ART 1313 Fundamentals of Art		
ART 2123 Photography II+		
ART 2413 Survey of Art, Technology, & Culture+		
ART 2912 Photography Capstone+		
MCOM 2413 Digital Photography **OR** MULT 2413 Digital Photography		
MULT 1413 Digital Imaging		

SUPPORT & RELATED ELECTIVES (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Fine Arts Associate in Arts Degree
Photography Emphasis (63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Support & Related Electives
ART 1213 Drawing I
ART 1323 Color I
ART 2713 Independent Studies in Art
MCOM 2333 Layout & Graphic Design
MULT 1423 Advanced Digital Imaging+
MULT 1443 Photo Restoration+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
ART 1113 Photography I ART 1313 Fundamentals of Art ART 2813 Survey of Art History I	ART 2123 Photography II+ ART 2823 Survey of Art History II
3rd Semester	**4th Semester**
ART 2413 Survey of Art, Technology, & Culture+ 3 hours of Support & Related Electives	ART 2912 Photography Capstone+ MULT 1413 Digital Imaging 3 hours of Support & Related Electives

Fine Arts Associate in Arts Degree
Theatre Emphasis (62 credit hours minimum)

Program Goals & Outcomes

The goal of the Theatre Emphasis of the Fine Arts Associate in Arts Program is to prepare students to transfer to a theatre baccalaureate degree program. Students will be prepared with courses generally completed in the first 2 years of a baccalaureate degree theatre curriculum.

Graduates will be able to:

1. Demonstrate self-confidence, creative communication skills, and organizational skills necessary to enter the job market;
2. Participate in varied and diverse stage productions; and
3. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment

During their final semester, Theatre majors will enroll in TH 2902 Theatre Capstone Project after completing 14 of the 17 hours of Program Requirements.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/theatre

Professor Rick Nelson, FA 103
(405) 736-0364
rnelson@rose.edu

Fine Arts Associate in Arts Degree
Theatre Emphasis (62 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
TH 1353 Introduction to Theatre		
See list in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (25 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MCOM 1213 Public Speaking		
TH 1103 Stagecraft		
TH 1311 Theatre Production I		
TH 1321 Theatre Production II+		
TH 1341 Theatre Dance—Ballet Technique		
TH 1351 Theatre Dance—Jazz & Tap		
TH 1513 Acting I		
TH 1533 Voice & Diction		
TH 2331 Theatre Production III+		
TH 2902 Theatre Capstone Project+		
Theatre Additional Requirements (6 hours)—See next page.		

+Check course description for prerequisites that must be met.

Fine Arts Associate in Arts Degree
Theatre Emphasis (62 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Theatre Additional Requirements
TH 2113 Theatrical Make-up
TH 2523 Acting II+
TH 2713 Directing+
TH 2721-3 Theatre Internship+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
TH 1103 Stagecraft (Fall only) TH 1311 Theatre Production I TH 1341 Theatre Dance–Ballet Technique (Fall only) TH 1513 Acting I	MCOM 1213 Public Speaking TH 1321 Theatre Production II+ TH 1351 Theatre Dance–Jazz & Tap (Spring only) TH 1353 Introduction to Theatre
3rd Semester	**4th Semester**
TH 1533 Voice & Diction (Fall only) TH 2331 Theatre Production III+ 3 hours of additional Theatre requirements	TH 2902 Theatre Capstone Project+ 3 hours of additional Theatre requirements

NOTE: Only DAY sections of courses with the TH prefix are offered except for TH 1311, TH 1321, and TH 2331, which can be taken in the evening.

Health & Sports Sciences Associate in Science Degree Exercise/Fitness Management Option (62 credit hours min.)

Program Goals & Outcomes

The goal of the Health and Sports Sciences Associate in Science Degree Program is to provide students with the necessary foundation to transfer to a related baccalaureate degree program at a college or university. The Exercise/Fitness Management Option prepares students to develop and conduct exercise programs at health clubs and fitness centers. Students learn about the science of fitness as well as acquire knowledge of business practices. Courses emphasize fitness programming, management principles, youth fitness, and sport nutrition. Students entering this field of study should be seeking a career in Health and Sports Sciences in a variety of environments such as corporate wellness, health/fitness clubs, education programs, and personal trainers.

Specific program objectives include providing students with:

1. An understanding of the impact of nutrition and fitness on wellness;
2. An understanding of basic first aid and care and prevention of athletic injuries;
3. A proficiency in a variety of health, education, and recreation activities;
4. A knowledge of effective and safe exercise programs to meet group exercise participants' goals;
5. A knowledge of effective communication, teaching techniques, and motivational skills to engage group exercise participants;
6. An ability to locate and apply current information on sound practices in managing a fitness business;
7. Business skills to create health awareness and fitness programs in commercial and instructional settings; and,
8. A general education foundation from which to learn to communicate, think critically and analyze problems.

Program Outcomes Assessment

Students have 2 ways to complete the mandatory program outcomes assessment: complete a standardized fitness certification exam or complete a 1-credit-hour practicum course. Students should contact their faculty advisor prior to their final semester of Health and Sports Sciences coursework for details.

Degree Awarded

Associate in Science and/or
Exercise/Fitness Management Certificate

Contact Information

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HEALTH & SPORTS SCIENCES ASSOCIATE IN SCIENCE DEGREE EXERCISE/FITNESS MANAGEMENT OPTION (62 CREDIT HOURS MIN.)

GENERAL EDUCATION REQUIREMENTS (39 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–See Mathematics Electives on next page.		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		
General Education (6 hours)		
MCOM 1213 Public Speaking		
See courses listed in the RSC Academic Catalog.		
HPER (2 hours)		
HPER 1202 Health & Wellness		

PROGRAM REQUIREMENTS (13 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HPER 1102 First Aid		
HPER 1301-1601 (Activity class)		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		

OPTION REQUIREMENTS (5 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HPER 2633 Principles of Personal Training+		
HPER 2702 Health & Sports Sciences Practicum+		

SUPPORT & RELATED ELECTIVES (5 hours)		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Health & Sports Sciences Associate in Science Degree Exercise/Fitness Management Option (62 credit hours min.)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Support & Related Electives
BIOL 2424 Human Physiology+
CIT 1093 Microcomputer Applications
HPER 1300-1600_____ (HPER Activities, 1-2 hours)
HPER 2091-3 Special Topics in Health, Physical Education & Recreation+ (1-2 hours)
HPER 2623 Physiology of Exercise+
HPER 2643 Applied Anatomy+
HPER 2701-3 Health & Sports Sciences Practicum+
HSBC 2114 Human Anatomy+

Exercise/Fitness Management Certificate Required Courses—20 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Students must earn a "C" or better in these courses to be eligible for graduation.
Courses within the certificate may be applied to an AS Degree where students may be eligible to receive a certificate and an AS Degree.
This certificate is designed to:

- Prepare students who have successfully completed these courses to enter the workforce;
- Refresh the students' skills that are required within the business field; and,
- Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
HPER 1102 First Aid		
HPER 1202 Health & Wellness		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 1301-1601 (Activity class)		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		
HPER 2633 Principles of Personal Training+		
HPER 2702 Health & Sports Sciences Practicum+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HPER 1202 Health & Wellness HPER 1213 Introduction to Health & Sports Sciences	HPER 2333 Sport Nutrition+ HPER 2612 Legal Aspects of Health & Sports Sciences+
3rd Semester	**4th Semester**
HPER 1102 First Aid HPER 1222 Concepts of Fitness+ 3 hours of Support & Related Electives	HPER 2633 Principles of Personal Training+ HPER 2702 Health & Sports Sciences Practicum+ 2 hours of Support & Related Electives

Health & Sports Sciences Associate in Science Degree
Health, Physical Education, & Recreation Option (62 credit hours min.)

Program Goals & Outcomes

The goal of the Health and Sports Sciences Associate in Science Degree, with emphases in Health, Physical Education, and Recreation, is to prepare students to transfer to a college or university baccalaureate program in a related field. The Health, Physical Education, and Recreation Certificate is designed for fitness professionals teaching any form of recreational activities, sports, and exercise in a group setting to youth from kindergarten-12th grade. Students learn how to use exercise, games, and sports to build a solid, age-appropriate program for each grade level. Additionally, students gain experience within a classroom, where they teach and assist under a licensed Physical Education teacher. This program will also help prepare students for employment in a variety of areas, including the YMCA, colleges and universities, recreational sports, aquatics, military programs, and more.

Upon completion of the program, students will be able to:

1. Organize, direct, and manage physical fitness programs that would be appropriate for business and industrial settings, health clubs, and hospital-based fitness/wellness and cardiac rehabilitation programs;
2. Differentiate the type/level of difficulty of exercises that are appropriate for a variety of skill-related abilities;
3. Prescribe specific movements and correct workout techniques to meet a variety of skill level and health needs;
4. Evaluate and analyze weight management and nutritional programs;
5. Assess an individual's nutritional status and devise an appropriate sport nutrition education plan;
6. Discuss the benefits of physical activity and its contributions to a healthful lifestyle;
7. Examine safe, ethical, and legal practices related to a variety of career-related settings (e.g. cardiac rehabilitation, sports conditioning, corporate wellness, fitness and recreational centers); and,
8. Perform a wide variety of physical skills and activities including both skill-related and health-related fitness components.

Program Outcomes Assessment

Students who successfully complete the Program Requirements with a grade of "C" or better will have demonstrated proficiency in a variety of academic courses within HPER.

Degree Awarded

Associate in Science and/or
Health, Physical Education, and Recreation Certificate

Contact Information

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HEALTH & SPORTS SCIENCES ASSOCIATE IN SCIENCE DEGREE
HEALTH, PHYSICAL EDUCATION, & RECREATION OPTION (62 CREDIT HOURS MIN.)

GENERAL EDUCATION REQUIREMENTS (39 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)–See Mathematics Electives on next page.		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)		
MCOM 1213 Public Speaking		
See courses listed in the RSC Academic Catalog.		
HPER (2 hours)		
HPER 1202 Health & Wellness		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HPER 1102 First Aid		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 1301-1601 (Activity class)		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		
HPER 2702 Health & Sports Sciences Practicum+		

SUPPORT & RELATED ELECTIVES (8 hours)		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

HEALTH & SPORTS SCIENCES ASSOCIATE IN SCIENCE DEGREE
HEALTH, PHYSICAL EDUCATION, & RECREATION OPTION (62 CREDIT HOURS MIN.)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Support & Related Electives
BIOL 2424 Human Physiology+
CIT 1093 Microcomputer Applications
HPER 1300-1600_____ HPER Activities, 1-2 hours)
HPER 2091-3 Special Topics in Health, Physical Education & Recreation+ (1-2 hours)
HPER 2623 Physiology of Exercise+
HPER 2643 Applied Anatomy+
HPER 2633 Principles of Personal Training+
HSBC 2114 Human Anatomy+

Health, Physical Education, and Recreation Certificate Required Courses—17 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Students must earn a "C" or better in these courses to be eligible for graduation.
Courses within the certificate may be applied to an AS Degree where students may be eligible to receive a certificate and an AS Degree. This certificate is designed to:

- Prepare students who have successfully completed these courses to enter the workforce;
- Refresh the students' skills that are required within the business field; and,
- Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
HPER 1102 First Aid		
HPER 1202 Health & Wellness		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 1301-1601 (Activity class)		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		
HPER 2702 Health & Sports Sciences Practicum+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HPER 1102 First Aid HPER 1202 Health & Wellness HPER 1213 Introduction to Health & Sports Sciences	HPER 2333 Sport Nutrition+ HPER 2612 Legal Aspects of Health & Sports Sciences+
3rd Semester	**4th Semester**
HPER 1222 Concepts of Fitness+ HPER 1301-1601 (Activity class) 3 hours of Support & Related Electives	HPER 2702 Health & Sports Sciences Practicum+ 4 hours of Support & Related Electives

Health & Sports Sciences Associate in Science Degree Personal Trainer Option (62 credit hours minimum)

Program Goals & Outcomes

The goal of the Health and Sports Sciences Program Associate in Science Degree, Personal Trainer Option, is to prepare students to do 1-on-1 fitness programming. The Rose State College Personal Trainer Degree is designed to prepare students to take the National Strength and Conditioning Association Certified Personal Training exam and/or to transfer to a 4-year institution to complete a baccalaureate degree.

Upon completion, students will be able to:

1. Organize, direct, and manage physical fitness programs that would be appropriate for business and industrial settings, health clubs, and hospital-based fitness/wellness and cardiac rehabilitation programs;
2. Differentiate the type/level of difficulty of exercises that are appropriate for a variety of skill related abilities;
3. Prescribe specific movements and correct workout techniques to meet a variety of skill level and health needs;
4. Evaluate and analyze weight management and nutritional programs;
5. Assess an individual's nutritional status and devise an appropriate sport nutrition education plan;
6. Discuss the benefits of physical activity and its contributions to a healthful lifestyle;
7. Examine safe, ethical, and legal practices related to a variety of career-related settings (e.g. cardiac rehabilitation, sports conditioning, corporate wellness, fitness and recreational centers); and,
8. Perform a wide variety of physical skills and activities including both skill-related and health-related fitness components.

Program Outcomes Assessment

HPER 2633 Principles of Personal Training contains the program competencies required of all Personal Trainer graduates. Successful completion of this course, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Science and/or
Personal Trainer Certificate

Contact Information

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Health & Sports Sciences Associate in Science Degree
Personal Trainer Option (62 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (39 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog**.**		
Mathematics (3 hours)–See Mathematics Electives on next page.		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)		
MCOM 1213 Public Speaking		
See courses listed in the RSC Academic Catalog.		
HPER (2 hours)		
HPER 1202 Health & Wellness		

PROGRAM REQUIREMENTS (13 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

HPER 1102 First Aid		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 1301-1601 (Activity class)		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		

OPTION REQUIREMENTS (10 hours)

HPER 1391 Weight/Resistance Training		

Students must earn a "C" or better in these courses to be eligible for graduation.

HPER 2623 Physiology of Exercise+		
HPER 2633 Principles of Personal Training+		
HPER 2643 Applied Anatomy+		

+Check course description for prerequisites that must be met.

Health & Sports Sciences Associate in Science Degree
Personal Trainer Option (62 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Personal Trainer Certificate Required Courses—25 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Courses within the certificate may be applied to an AS Degree where students may be eligible to receive a certificate and an AS Degree.

This certificate is designed to:
- Prepare students who have successfully completed these courses to enter the workforce;
- Refresh the students' skills that are required within the business field; and,
- Improve the students' skills for them to receive a promotion or salary incentive within a specific organization.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
HPER 1391 Weight/Resistance Training		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HPER 1202 Health & Wellness		
HPER 1102 First Aid		
HPER 1213 Introduction to Health & Sports Sciences		
HPER 1222 Concepts of Fitness+		
HPER 1301-1601 (Activity class)		
HPER 2333 Sport Nutrition+		
HPER 2612 Legal Aspects of Health & Sports Sciences+		
HPER 2623 Physiology of Exercise+		
HPER 2633 Principles of Personal Training+		
HPER 2643 Applied Anatomy+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HPER 1102 First Aid HPER 1202 Health & Wellness HPER 1213 Introduction to Health & Sports Sciences	HPER 1222 Concepts of Fitness+ HPER 2333 Sport Nutrition+
3rd Semester	**4th Semester**
HPER 1391 Weight/Resistance Training HPER 2623 Physiology of Exercise+ HPER 2643 Applied Anatomy+	HPER 2612 Legal Aspects of Health & Sports Sciences+ HPER 2633 Principles of Personal Training+

History Associate in Arts Degree
General Option (61 credit hours minimum)

Program Goals & Outcomes

The History Associate in Arts Degree earned at Rose State College fulfills all of the requirements necessary for students to transfer to a history baccalaureate program at a 4-year college or university. The 61-credit-hour degree program includes required coursework in U.S., European, and Ancient and Medieval History, and is supplemented with related coursework in the areas of African American, American Indian, American West, LGBTQ, and Native American Studies.

Upon successful completion, students will achieve the following learning outcomes and be able to:

1. Provide context to the present through the analysis of historical events, actors, or ideas;
2. Reach informed judgements about the social, political, cultural, and/or economic elements that define historical events and periods;
3. Employ diverse analytical perspectives and cultural understandings when crafting historical narratives; and
4. Demonstrate effective communication skills when analyzing primary and secondary historical resources.

Mission Statement: The history program at Rose State College seeks to empower students with the necessary analytical tools and academic habits not only to succeed in baccalaureate programs once they graduate, but also to provide context for larger local, national, and global phenomena. The program remains committed to the lifelong pursuit of academic excellence, to instill in graduates an appreciation of the diversity of human experience, and to underscore the importance of human agency in the cant of historical processes.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all History graduates. Successful completion of these courses (with a grade of "C" or better) will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Julia Kelly
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(405) 733-7413
socsciadvisor@rose.edu

History Associate in Arts Degree
General Option (61 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
Students must earn a "C" or better in HIST 1483/1493 to be eligible for graduation.		
HIST 1483 U.S. History to 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See Humanities Electives on next page.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See Liberal Arts Electives on next page.		
General Education Electives (6 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HIST 1413 Ancient & Medieval Civilization		
HIST 1423 Europe: Renaissance to Waterloo		
HIST 1433 Revolutionary Europe 1815-Present		
HIST 1493 U.S. History Since 1877		
HIST 2983 Historical Thinking+		

OPTION ELECTIVES (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Option Electives on next page.		

+Check course description for prerequisites that must be met.

History Associate in Arts Degree
General Option (61 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Humanities Electives
Any 2000-level course listed under "Humanities Electives" in the RSC Academic Catalog

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Liberal Arts Electives
Any courses with the following prefixes: CJ (except CJ 2193); HIST; POLS (except POLS 1113 or POLS 2091-3); PSYC; SOC (except SOC 2333)

Option Electives
HIST 1013 World History I
HIST 1023 World History II
HIST 1113 Survey of East Asia, China, Japan, and Korea
HIST 1203 African American History
HIST 2023 History of the Present
HIST 2091-3 Special Topics in History
HIST 2123 Aviation History
HIST 2133 Women's History
HIST/POLS 2383 Power, Mobilization, and Revolution
HIST 2393 Oklahoma Tribal History
HIST 2503 American Indian History+
HIST 2583 Introduction to LGBTQ+ History+
GEOG 2443 Regional Geography of the World
GEOG 1103 Elements of Human Geography
NAS _____ Any Native American Studies course(s)

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HIST 1413 Ancient & Medieval Civilization HIST 1483 U.S. History to 1877	HIST 1423 Europe: Renaissance to Waterloo HIST 1493 U.S. History Since 1877 3 hours of Option Electives
3rd Semester	**4th Semester**
HIST 1433 Revolutionary Europe 1815-Present 3 hours of Option Electives	HIST 2983 Historical Thinking+ 3 hours of Option Electives

History Associate in Arts Degree
Native American Studies Option (61 credit hours minimum)

Program Goals & Outcomes

The goal of the History Associate in Arts Degree, Native American Studies Option, is to provide students the foundation necessary to transfer to a related baccalaureate degree program at a 4-year college or university.

Upon successful completion, students will achieve the following learning outcomes and be able to:

1. Provide context to the present through the analysis of historical events, actors, or ideas;
2. Reach informed judgements about the social, political, cultural, and/or economic elements that define historical events and periods;
3. Employ diverse analytical perspectives and cultural understandings when crafting historical narratives; and
4. Demonstrate effective communication skills when analyzing primary and secondary historical resources.

Mission Statement: The history program at Rose State College seeks to empower students with the necessary analytical tools and academic habits not only to succeed in baccalaureate programs once they graduate, but also to provide context for larger local, national, and global phenomena. The program remains committed to the lifelong pursuit of academic excellence, to instill in graduates an appreciation of the diversity of human experience, and to underscore the importance of human agency in the cant of historical processes.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all Social Sciences graduates. Successful completion of these courses, with a grade of “C” or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts and/or
Native American Studies Certificate

Contact Information

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(405) 733-7413
socsciadvisor@rose.edu

Professor S. Matthew DeSpain, PhD
Director of Native American Studies
(405) 733-7527

History Associate in Arts Degree
Native American Studies Option (61 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
Students must earn a "C" or better in HIST 1483 to be eligible for graduation.		
HIST 1483 U.S. History to 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See Humanities Electives on next page.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See Liberal Arts Electives on next page.		
General Education Electives (6 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HIST 1423 Europe: Renaissance to Waterloo **OR** HIST 1433 Revolutionary Europe 1815-Present		
HIST 1493 U.S. History Since 1877		
HIST 2983 Historical Thinking+		

OPTION ELECTIVES (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
HIST 2503 American Indian History+		
NAS 1113 Introduction to Native American Studies		
NAS 2803 American Indian Law, Policy, Sovereignty+		
See Option Electives on next page.		

+Check course description for prerequisites that must be met.

HISTORY ASSOCIATE IN ARTS DEGREE
NATIVE AMERICAN STUDIES OPTION (61 CREDIT HOURS MINIMUM)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Humanities Electives
Any 2000-level course listed under "Humanities Electives" in the RSC Academic Catalog

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Liberal Arts Electives
Any courses with the following prefixes: CJ (except CJ 2193); GEOG/PHSC 1114; HIST; POLS (except POLS 1113 or POLS 2091-3); PSYC; SOC (except SOC 2333)

Option Electives
ENGL 2233 Native American Literature+
HIST 2091-3 Special Topics in History
HIST 2393 Oklahoma Tribal History
NAS 2223 Native American Philosophy+

Native American Studies Certificate Required Courses—18 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Students must earn a "C" or better in all courses to be eligible for graduation.

This certificate is specifically designed to provide students with a competitive advantage in today's job market while also developing expanded cultural awareness for workforce success. The concentration of American Indians is far greater in Oklahoma than any other place in the nation. Graduates will likely work for or with American Indians or one of the many tribal nations. As a supplement to any degree program, a Native American Studies Certificate offers non-Native and Indian students an advantage in seeking employment in communities with American Indian populations, in tribal supported services (health care, education, social services, cultural/historical preservation, tribal management/resource development), or in tribally owned companies (gaming industry, tourism, IT/communication services). Students with this certificate obtain a sophisticated and culturally attuned perspective about Native matters and tribal objectives that makes them attractive to Native employers and tribes.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ENGL 2233 Native American Literature+		
HIST 2393 Oklahoma Tribal History		
HIST 2503 American Indian History+		
NAS 1113 Introduction to Native American Studies		
NAS 2223 Native American Philosophy+		
NAS 2803 American Indian Law, Policy, Sovereignty+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HIST 1423 Europe: Renaissance to Waterloo OR HIST 1433 Revolutionary Europe 1815-Present HIST 1483 U.S. History to 1877 NAS 1113 Introduction to Native American Studies	HIST 1493 U.S. History Since 1877 HIST 2503 American Indian History+
3rd Semester	**4th Semester**
NAS 2803 American Indian Law, Policy, Sovereignty+ 3 hours of Option Electives	HIST 2983 Historical Thinking+ 3 hours of Option Electives

HISTORY—0074-02

Liberal Studies Associate in Arts Degree
Cultural Studies Emphasis (62 credit hours minimum)

Program Goals & Outcomes

The goal of the Cultural Studies Emphasis of the Liberal Studies Associate in Arts Program is to provide students with an interdisciplinary approach to increasing knowledge and understanding of modern global society and events. An understanding of the world's social and political systems, along with an appreciation of the diversity of human culture, will supply students with a strong background for working in a global economy, for living in a multicultural society and for making intelligent decisions as global citizens.

Graduates will be able to:

1. Analyze major cultural challenges superseding the diverse traditions, values and practices in existence;
2. Identify varying worldviews on the same issues and occurrences;
3. Differentiate multiple perspectives affecting behaviors and decisions;
4. Describe core civic values which generate socially responsible behavior at both local and global levels;
5. Demonstrate understanding of the nature of culture through comparisons of the cultures studied and their own;
6. Analyze the interdependence among people, groups, societies, governments, and nations in finding solutions to current global problems and conflicts; and
7. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of “C” in each course in order to receive the Associate in Arts Degree.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
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lmorrow@rose.edu

Liberal Studies Associate in Arts Degree
Cultural Studies Emphasis (62 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
HUM 2113 Humanities through the Middles Ages+		
HUM 2223 Humanities from the Renaissance+		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (9 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
HUM 2313 American Humanities+		
See Limited Liberal Arts Electives/Additional Cultural Studies Electives on next page.		

PROGRAM REQUIREMENTS (25 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
HUM 2323 Latin American Humanities+		
HUM 2423 Global Cultural Experience+		
NAS 1113 Introduction to Native American Studies		
PHIL 1223 Introduction to Asian Philosophy+		
_____ 1115 Elementary I of a language+		
_____ 1225 Elementary II of a language+		
Additional Cultural Studies Requirements (3 hours)		
See Limited Liberal Arts Electives/Additional Cultural Studies Electives on next page.		

+Check course description for prerequisites that must be met.

Liberal Studies Associate in Arts Degree
Cultural Studies Emphasis (62 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Limited Liberal Arts Electives/Additional Cultural Studies Electives
CJ 2303 Cultural Diversity & Criminal Justice+
ENGL 2233 Native American Literature+
ENGL 2243 Black American Literature and Media+
ENGL 2253 Women in American Literature+
HIST 1203 African American History
HIST 2133 Women's History
HIST 2503 American Indian History+
HIST 2583 Introduction to LGBTQ+ History+
HUM _____ Any course with HUM prefix
LEAD 1103 Introduction to Cultural Awareness
NAS 2223 Native American Philosophy+
PHIL 2103 Social & Political Philosophy+/POLS 2803 Introduction to Political Theory
PHIL 2203 Philosophy of Religion+
POLS 2403 Introduction to Comparative Political Systems
POLS 2503 Introduction to International Relations
SOC 2123 Sex & Gender+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester-Fall	2nd Semester-Spring
HUM 2113 Humanities through the Middles Ages+	HUM 2223 Humanities from the Renaissance+ HUM 2323 Latin American Humanities+
3rd Semester-Fall	**4th Semester-Spring**
FREN 1115 Elementary French I+ **OR** GERM 1115 Elementary German I+ **OR** SPAN 1115 Elementary Spanish I+ **OR** LANG 1115 Elementary Language I+ HUM 2423 Global Cultural Experience+ (Fall Only) NAS 1113 Introduction to Native American Studies (Fall Only)	HUM 2313 American Humanities+ PHIL 1223 Introduction to Asian Philosophy+ (Spring only) FREN 1225 Elementary French II+ **OR** GERM 1225 Elementary German II+ **OR** SPAN 1225 Elementary Spanish II+ **OR** LANG 1225 Elementary Language II+

Liberal Studies Associate in Arts Degree Interdisciplinary Studies Emphasis (60 credit hours minimum)

Program Goals & Outcomes

The goal of the Interdisciplinary Studies Emphasis of the Liberal Studies Associate in Arts Degree Program is to prepare students to transfer to a 4-year college or university to pursue a baccalaureate degree in Liberal Studies. It provides a broad foundation for students uncertain of their career paths.

Graduates will be able to:

1. Demonstrate effective writing and communication skills;
2. Apply analytical and critical thinking to a variety of situations and problems;
3. Pursue careers in entry-level government, education, business, and other similar fields through multidisciplinary preparation;
4. Determine self-chosen academic and career goals; and
5. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/inds

Liberal Studies Associate in Arts Degree
Interdisciplinary Studies Emphasis (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See list in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See list in the RSC Academic Catalog.		
General Education Electives (6 hours)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (23 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

At least one 3-hour course must taken from a minimum of 4 different disciplines with 1000 or higher. These additional 23 hours may be from any discipline.

Discipline 1		
Discipline 2		
Discipline 3		
Discipline 4		

+Check course description for prerequisites that must be met.

LIBERAL STUDIES ASSOCIATE IN ARTS DEGREE INTERDISCIPLINARY STUDIES EMPHASIS (60 CREDIT HOURS MINIMUM)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives

Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Leadership Certificate Required Courses–25 Hours

To receive a certificate, students must earn a C or better in these courses. The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
POLS 1113 American Federal Government		
HIST 1483 U.S. History to 1877 **OR HIST 1493 U.S. History Since 1877**		
LEAD 2103 Lessons in Leadership **OR LEAD 2113 Introduction to Leadership**		
LEAD 1103 Introduction to Cultural Awareness		
LEAD 2901 Leadership in Practice+		

Select 2 courses from the list below (6 hours)

BA 2413 Business Ethics **CJ 2303 Cultural Diversity & Criminal Justice+** **CJ 2863 Ethics in Criminal Justice** **MCOM 1213 Public Speaking** **MCOM 2323 Principles of Public Relations** **MGMT 2153 Teambuilding & Conflict Management** **PHIL 2303 Introduction to Ethics+** **PHIL 2113 Introduction to Logic & Critical Thinking+**		
POLS 2603 Introduction to Public Administration **PSYC 1113 Introduction to Psychology** **PSYC 1103 Psychology of Human Relationships** **PSYC 2303 Personality Theories+** **PSYC 2323 Social Psychology+** **SOC 1113 Introduction to Sociology+** **SOC 2223 Social Problems+** **LEAD 1203 Leadership in the Arts**		

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MCOM 1213 Public Speaking **OR** EDUC 1103 College & Life Strategies 3 hours of first discipline 3 hours of any discipline	3 hours of second discipline 3 hours of any discipline
3rd Semester	**4th Semester**
3 hours of third discipline 3 hours of any discipline	3 hours of fourth discipline 3 hours of any discipline

LIBERAL STUDIES—0333-00

Liberal Studies Associate in Arts Degree Philosophy Emphasis (63 credit hours minimum)

Program Goals & Outcomes

The goal of the Philosophy Emphasis of the Liberal Studies Associate in Arts Program is to prepare students to transfer to a 4-year college or university to pursue a degree in philosophy. This degree program also provides excellent preparation for students who plan to pursue further education in law, ministry, or any graduate programs requiring a strong background in critical thinking and the history of ideas. The program includes Rose State College degree requirements and those generally completed in the first 2 years of a 4-year philosophy curriculum.

Graduates will be able to:

1. Employ the philosophical principles of rational thought to construct logical, insightful, clear, and effective arguments;
2. Combine analytical skills and philosophical ideology to evaluate the complex discourse of others;
3. Use knowledge of philosophical theories to explore contemporary problems in areas such as metaphysics, epistemology, ethics, social and political theory, and religion;
4. Demonstrate understanding of the history of ideas and intellectual movements in Western culture and how those ideas fit into a larger global framework of philosophical movements;
5. Use the critical thinking and logic skills integral to philosophy to more openly explore the worldviews of others in order to construct a more meaningful worldview for themselves; and
6. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of “C” in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment

During their last semester of study, Philosophy majors will enroll in PHIL 2503 Philosophy Capstone.

Degree Awarded

Associate in Arts

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/philosophy

Professor Guy Crain, HU 112
(405) 733-7385
gcrain@rose.edu

Liberal Studies Associate in Arts Degree
Philosophy Emphasis (63 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (39 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See list in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in PHIL 1103 to be eligible for graduation.		
PHIL 1103 Introduction to Philosophy+		
General Education Electives (8 hours)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHIL 2503 Philosophy Capstone+		
Philosophy Additional Program Requirements (9 hours)—See next page.		

SUPPORT & RELATED ELECTIVES (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Liberal Studies Associate in Arts Degree
Philosophy Emphasis (63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Philosophy Additional Program Requirements
PHIL 1223 Introduction to Asian Philosophy+
PHIL 2103 Social & Political Philosophy+ **or** POLS 2803 Introduction to Political Theory
PHIL 2113 Introduction to Logic & Critical Thinking+
PHIL 2203 Philosophy of Religion+
PHIL 2303 Introduction to Ethics+

Support & Related Electives
ECON 2843 Elements of Statistics+
ENGL _____ Any 1000- or 2000-level ENGL course
HUM _____ Any 1000- or 2000-level HUM course
MATH 2103 Discrete Mathematics+
MATH 2083 Introduction to Statistics for Engineering & Sciences+
MUS 1203 Music in Life
NAS 2223 Native American Philosophy+
PHIL _____ Any 1000- or 2000-level PHIL course
POLS 2403 Introduction to Comparative Political Systems
PSYC/SOC 2123 Sex & Gender+
PSYC 2503 Psychology Statistics+
Any 1000- or 2000- level SPAN, FREN, GERM, or LANG course

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
PHIL 1103 Introduction to Philosophy+ 3 hours of Support & Related Electives	3 hours of Philosophy Additional Program Requirements 3 hours of Support & Related Electives
3rd Semester	**4th Semester**
3 hours of Philosophy Additional Program Requirements 3 hours of Support & Related Electives	PHIL 2503 Philosophy Capstone+ 3 hours of Philosophy Additional Program Requirements 3 hours of Support & Related Electives

Library Technical Assistant Associate in Applied Science Degree (62 credit hours minimum)

Program Goals & Outcomes

The goal of the Library Technical Assistant Associate in Applied Science Degree Program is to provide students with the knowledge and skills to begin work as a library technical assistant in a public, school, academic, or special library.

Graduates will be able to:

1. Exhibit knowledge and understanding of libraries, museums, and other knowledge storage mechanisms;
2. Demonstrate understanding of customer service, library classification, MARC records, children's and teen authors, familiarity with common reference materials and how to use them to assist library customers;
3. Demonstrate basic computer literacy skills, basic management skills, and the life cycle of documents; and
4. Exhibit a basic general foundation of English, history, and government.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Applied Science Degree.

NOTE

LTA classes are offered **only** via the internet.

Program Outcomes Assessment

During their final semester, Library Technical Assistant majors will enroll in LTA 2001 Capstone Project, in which they will create an exit/assessment portfolio.

Degree Awarded

Associate in Applied Science

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/lta

Library Technical Assistant Associate in Applied Science Degree (62 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
General Education Electives (6 hours)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (23 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

LTA 1303 Special Publications		
LTA 1312 Library Services for Children & Young Adults		
LTA 1313 Introduction to Library Public Services		
LTA 1322 Introduction to the Library Paraprofessional Field		
LTA 1323 Introduction to Library Technical Services		
LTA 1333 Technology in Libraries		
LTA 1343 Records Management		
LTA 1353 Library Management Skills		
LTA 2001 Capstone Project+		

SUPPORT & RELATED ELECTIVES (21 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

CIT 1093 Microcomputer Applications		
ECON 2103 Personal Finance		
MCOM 1213 Public Speaking		
See Recommended Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Library Technical Assistant Associate in Applied Science Degree (62 credit hours minimum)

Recommended Support & Related Electives

Additional Support & Related courses can be selected from most 1000-level or higher courses except physical education, activity, performance, or skill courses. In general, courses that would be especially appropriate to the LTA major would include: CJ 2303+, ENGL 2053+, LTA 2191-3, MCOM 1103, MGMT 2203, MULT 1123, PSYC 1113, any foreign language, or any course that satisfies a Humanities elective (see list in the RSC Academic Catalog). If preparing for work in children's services, students are recommended to take FSCD 2523, CJ 2303+, or PSYC 2503+. If preparing for a BA in Information Studies, students are recommended to take ECON 2303, ECON 2403, or ECON 2843+.

Suggested Order of Enrollment

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CIT 1093 Microcomputer Applications 3 hours of Support & Related Electives EVEN YEARS LTA 1322 Introduction to the Library Paraprofessional Field LTA 1343 Records Management ODD YEARS LTA 1312 Library Services for Children & Young Adults LTA 1313 Introduction to Library Public Services	ECON 2103 Personal Finance 3 hours of Support & Related Electives EVEN YEARS LTA 1323 Introduction to Library Technical Services LTA 1333 Technology in Libraries ODD YEARS LTA 1303 Special Publications LTA 1353 Library Management Skills
3rd Semester	**4th Semester**
MCOM 1213 Public Speaking 3 hours of Support & Related Electives EVEN YEARS LTA 1322 Introduction to the Library Paraprofessional Field LTA 1343 Records Management ODD YEARS LTA 1312 Library Services for Children & Young Adults LTA 1313 Introduction to Library Public Services	LTA 2001 Capstone Project+ 3 hours of Support & Related Electives EVEN YEARS LTA 1323 Introduction to Library Technical Services LTA 1333 Technology in Libraries ODD YEARS LTA 1303 Special Publications LTA 1353 Library Management Skills

Mass Communication Associate in Arts Degree
(62 credit hours minimum)

Program Goals & Outcomes
The goal of the Mass Communication Associate in Arts Degree Program is to provide students with necessary coursework to transfer to a Mass Communication baccalaureate degree program.

Graduates will be able to:

1. Understand mass communication's history, its related terminology, and its role in and impact on modern society;
2. Gather and select information from which to write newsworthy stories at an intermediate level, incorporating Associated Press Style and appropriate grammar, spelling, punctuation, and sentence structure;
3. Edit stories to conform to Associated Press Style and basic rules of the English language;
4. Demonstrate the ability to write headlines and lay out publications at an intermediate level;
5. Demonstrate a basic understanding of and ability to produce video features suitable for broadcast; and
6. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment
During their final semester of study, Mass Communication majors will enroll in MCOM 2901 Mass Communication Capstone.

Degree Awarded
Associate in Arts

Contact Information
Humanities Division Advisor
(405) 733-7999
www.rose.edu/mass-communication

Professor Darcy Delaney-Nelson, FA 110
(405) 733-7518
ddelaney@rose.edu

MASS COMMUNICATION ASSOCIATE IN ARTS DEGREE

(62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See list in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
PHIL 2303 Introduction to Ethics+ **OR** TH 1533 Voice & Diction		
General Education Electives (8 hours minimum)		
MCOM 1213 Public Speaking		
See General Education Limited Electives on next page.		

PROGRAM REQUIREMENTS (17 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
MCOM 1103 Introduction to Mass Media		
MCOM 1203 Media Writing+		
MCOM 1401 Mass Media Practicum+		
MCOM 2203 News Reporting+		
MCOM 2503 Media Production		
MCOM 2603 Video News+		
MCOM 2901 Mass Communication Capstone+		

SUPPORT & RELATED ELECTIVES (6 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Mass Communication Associate in Arts Degree
(62 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

General Education Limited Electives
ART 2413 Survey of Art, Technology, & Culture+
MCOM 2801-3 Mass Communication Internship*
PHIL 2113 Introduction to Logic & Critical Thinking+
PHIL 2303 Introduction to Ethics+
POLS 2303 Introduction to Mass Media & Politics
TH 1533 Voice & Diction
_____ _____ Any course(s) with FREN, GERM, LANG, or SPAN prefix
*** MULT 2801-3 will not meet the degree requirements. It must be MCOM 2801-3.**

Support & Related Electives
MCOM/MULT 1123 Social Media Tools & Strategies **OR** MCOM/MKTG 2113 Digital Marketing Essentials
MCOM 1401 Mass Media Practicum+ (May be repeated twice)
MCOM 2003 State Capitol Reporting+
MCOM 2093 Special Topics in Mass Communication
MCOM 2413 Digital Photography **OR** MULT 2413 Digital Photography
MCOM 2323 Principles of Public Relations **OR** MCOM/MKTG 2213 Principles of Advertising
MCOM 2333 Layout & Graphic Design
MCOM 2441-3 Mass Communication Independent Study+
MCOM 2513 Screenwriting

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MCOM 1103 Introduction to Mass Media MCOM 1203 Media Writing+ ENGL 1113 English Composition I+	MCOM 2203 News Reporting+ (Spring semester only) 3 hours of Support & Related Electives 3 hours of General Education Limited Electives
3rd Semester	**4th Semester**
MCOM 1401 Mass Media Practicum+ MCOM 2503 Media Production MCOM 1213 Public Speaking 3 hours of General Education Electives	MCOM 2603 Video News+ (Spring semester only) MCOM 2901 Mass Communication Capstone+ 3 hours of Support & Related Electives

Modern Languages Associate in Arts Degree Spanish Emphasis (60 credit hours minimum)

Program Goals & Outcomes

The goal of the Modern Language Associate in Arts Degree Program is to provide students with necessary courses to transfer to Spanish or Spanish Education baccalaureate degree programs.

Graduates will be able to:

1. Communicate orally and in writing at an intermediate level of proficiency;
2. Gain knowledge and understanding of the cultures studied;
3. Reinforce and further their knowledge of other disciplines through study of the language while recognizing the distinctive viewpoints that are only available through the language and its cultures;
4. Demonstrate understanding of the nature of language and cultures through comparisons of the language and cultures studied, and their own language and cultures;
5. Participate in multilingual communities at home and around the world; and
6. Exhibit a basic general foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students who complete the Spanish language courses will earn a certificate and will be able to communicate orally and in writing. Students in the program must complete courses listed in Program Requirements and Support & Related sections with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Students should consult the 4-year institution to which they are planning to transfer and carefully select courses that will meet requirements for the bachelor's degree program.

Program Outcomes Assessment

During their final semester of study, Spanish majors will enroll in SPAN 2223 Intermediate Spanish II. During this class, students will be assessed orally and in writing that they have achieved an intermediate-level proficiency.

Degree Awarded

Associate in Arts and/or
Modern Language, Spanish, Certificate

Contact Information

Humanities Division Advisor
(405) 733-7999
www.rose.edu/languages

Professor Edmund Gert, HU 113
(405) 733-7382
egert@rose.edu

Modern Languages Associate in Arts Degree
Spanish Emphasis (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See list in the RSC Academic Catalog.		
HUM 2323 Latin American Humanities+		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours) **Students must earn a "C" or better in this course to be eligible for graduation.**		
See list in the RSC Academic catalog.		
General Education Electives (6 hours)		
See list in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (16 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
SPAN 1115 Elementary Spanish I+		
SPAN 1225 Elementary Spanish II+		
SPAN 2113 Intermediate Spanish I+		
SPAN 2223 Intermediate Spanish II+		

SUPPORT & RELATED ELECTIVES (7 hours) **Students must earn a "C" or better in this course to be eligible for graduation.**		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.

Modern Languages Associate in Arts Degree
Spanish Emphasis (60 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Support & Related Electives
ENGL 2113 Introduction to Literature+
ENGL 2413 World Literature to 1674+
ENGL 2423 World Literature from 1674+
HIST 1423 Europe: Renaissance to Waterloo
HIST 1433 Revolutionary Europe 1815-Present
HUM 2113 Humanities through the Middle Ages+
HUM 2223 Humanities from the Renaissance+
PHIL 2103 Social & Political Philosophy+ **or** POLS 2803 Introduction to Political Theory
POLS 2403 Introduction to Comparative Political Systems
POLS 2503 Introduction to International Relations
___ _____ Any other course(s) with FREN, GERM, LANG, POTA or SPAN prefix*
***Students are encouraged to enroll in at least 5 credit hours of an additional language**

Intermediate Spanish Proficiency Certificate Required Courses—16 Hours
The certificate will be awarded upon degree completion unless the student opts out in writing to the Graduation Office before graduation. Students must earn a "C" or better in these courses to be eligible for graduation.

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
SPAN 1115 Elementary Spanish I+		
SPAN 1225 Elementary Spanish II+		
SPAN 2113 Intermediate Spanish I+		
SPAN 2223 Intermediate Spanish II+		

+Check course description for prerequisites that must be met.

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
SPAN 1115 Elementary Spanish I+ HUM 2323 Latin American Humanities+	SPAN 1225 Elementary Spanish II+
3rd Semester	**4th Semester**
SPAN 2113 Intermediate Spanish I+ (Fall only) Add 3-5 hours of Support & Related Electives	SPAN 2223 Intermediate Spanish II+ (Spring only) Add 3-5 hours of Support & Related Electives

Political Science Associate in Arts Degree
(61 credit hours minimum)

Program Goals & Outcomes
The goal of the Political Science Associate in Arts Degree is to provide students with a transfer program which focuses on the political system at the local, state, national, and international levels with coursework in comparative political systems, international relations, contemporary issues, and state and local governments.

Upon completion of the requirements, students will be able to:

1. Evaluate ideas, institutions, and processes from the local to the global context;
2. Recognize and analyze different political systems and issues;
3. Analyze different political systems as they relate to political theory;
4. Recognize and analyze the philosophical foundations of governmental institutions, political behavior, and civic engagement;
5. Interpret political information through a variety of methods which may include creative thinking, inquiry, analysis, evaluation, or synthesis of information; and
6. Formulate and express ideas through a variety of communication methods, which may include class discussion, formal papers, presentations, or other methods.

Program Outcomes Assessment
The Program Requirements contain the competencies needed for all Political Science graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded
Associate in Arts

Contact Information
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Professor Emily Stacey, PhD
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Political Science Associate in Arts Degree

(61 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
Students must earn a "C" or better in POLS 1113 to be eligible for graduation.		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
POLS 2803 Introduction to Political Theory		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog		
General Education Electives (6 hours minimum)		
POLS 2203 Introduction to Public Policy		
ECON 2403 Principles of Macroeconomics		

PROGRAM REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
POLS 2403 Introduction to Comparative Political Systems		
POLS 2503 Introduction to International Relations		
POLS 2703 Introduction to State & Local Government		

ADDITIONAL REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Limited Additional Requirements on next page.		

+Check course description for prerequisites that must be met.

Political Science Associate in Arts Degree
(61 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Limited Additional Requirements
POLS 2093 Special Topics in Political Science
POLS 2103 Introduction to Political Science
POLS 2191-3 Political Science Internship+
POLS 2213 Introduction to Campaigns and Elections
POLS 2303 Introduction to Mass Media & Politics
POLS 2383 Power, Mobilization, and Revolution
POLS 2603 Introduction to Public Administration
SOC 2223 Social Problems+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
POLS 1113 American Federal Government 3 hours of Support & Related Requirements	POLS 2203 Introduction to Public Policy POLS 2403 Introduction to Comparative Political Systems 3 hours of Support & Related Requirements
2nd Fall Semester	**2nd Spring Semester**
POLS 2503 Introduction to International Relations POLS 2803 Introduction to Political Theory 3 hours of Support & Related Requirements	POLS 2703 Introduction to State & Local Government 6 hours of Support & Related Electives

NOTE: POLS 2203, Introduction to Public Policy; POLS 2603, Introduction to Public Administration: and POLS 2191, Political Science Internship; are available each semester via direct study.

Pre-Education Associate in Arts Degree
(60 credit hours minimum)

Program Goals & Outcomes
The Pre-Education Associate in Arts Degree is a complex program of interdisciplinary study, designed primarily for students who intend to become teachers in early childhood education, elementary education, or special education. This degree program provides a fundamental knowledge in a wide range of departments within the core of language and literature, mathematics, sciences, social science, humanities, foreign languages, and health and sports sciences. The goal of this degree is to provide a foundation for transfer to a baccalaureate teacher education program in early childhood education, elementary education, or special education. The degree is designed to enable students to complete the 4-by-12 requirement. Furthermore, it prepares students to take the Oklahoma General Education Test (OGET), which is necessary for admission to a Teacher Education Program at Oklahoma 4-year institutions.

Students who complete the program will be able to:

1. Communicate clearly and effectively utilizing written and verbal communication techniques;
2. Locate, evaluate, and apply reliable and appropriate academic research and resources;
3. Use historical and political situations and events to evaluate and discuss issues from a global perspective;
4. Discuss how individuals behave, and identify the beliefs, values, traditions, and practices of people from other cultures or lifestyle backgrounds;
5. Describe the principles of scientific inquiry and scientific methodology, as well as appraise issues in the scientific community;
6. Apply the concepts and methods of number sense and numeration, patterns and functions, geometry and measurement, and data analysis; and
7. Recognize the various risk factors and preventative measures for a healthy lifestyle.

Program Outcomes Assessment
The Program Requirements contain the competencies needed for all Pre-Education graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Additional Information
Students majoring in Elementary Education, Early Childhood Education, and Special Education should carefully select courses that will satisfy graduation requirements at the transfer institution. Students transferring to an Oklahoma institution should consult an academic advisor for specific course recommendations or refer to the transfer guide for their particular major and transfer institution. Elementary Education, Early Childhood Education, and Special Education majors seeking certification in Oklahoma must take 12 credit hours in English, Math, Science, and Social Studies. Courses taken in these areas must be completed with a grade of “C” or better for the course to satisfy degree requirements. In addition, Elementary Education, Early Childhood Education, and Special Education majors must demonstrate listening and speaking skills in a foreign language at the novice-high level.

Degree Awarded
Associate in Arts

Contact Information
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Joetta Gatliff, FSCD Professor
(405) 736-0323

Pre-Education Associate in Arts Degree

(60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Students must earn a "C" or better in these courses to be eligible for graduation.		
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)		
BIOL 1114 Introduction to Biology (with laboratory)		
PHSC 1003 Earth Science+		
PHSC 1001 Earth Science Lab+		
Humanities (6 hours)		
ENGL 2113 Introduction to Literature+		
PHIL 1103 Introduction to Philosophy+		
Mathematics (3 hours)		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology **OR** SOC 1113 Introduction to Sociology+		
General Education (5 hours)		
HPER 1202 Health & Wellness		
MCOM 1213 Public Speaking		

PROGRAM REQUIREMENTS (23-28 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2013 Structures of Mathematics+		
MATH 2023 Foundations of Geometry & Measurement+		
Select Transfer Track _____–See list on next page.		
_____		
_____		
_____		
_____		
_____		
_____		
_____		

+Check course description for prerequisites that must be met.

PRE-EDUCATION ASSOCIATE IN ARTS DEGREE
(60 CREDIT HOURS MINIMUM)

NOTE
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree.

UCO Transfer Track (17 hours minimum)
Students must earn a "C" or better in these courses to be eligible for graduation.
GEOG 2443 Regional Geography of the World
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877
(course not taken to meet General Education Requirements)
LANG 1115 Elementary Language I+ (required if students did not complete 2 years of foreign language in high school with a "B" or better) **OR** 5 hours minimum of classes with a HIST, PSYC, SOC, HUM, FSCD, or POLS prefix
MATH 2033 Analysis of Data & Chance+
PHSC 1313 General Physical Science+

OU1 Transfer Track–Early Childhood (18 hours minimum)
Students must earn a "C" or better in these courses to be eligible for graduation.
HES 2323 Nutrition
LANG 1115 Elementary Language I+
LANG 1225 Elementary Language II+
MATH 1473 General College Math+
2 hours minimum of classes with a HIST, PSYC, SOC, HUM, FSCD, or POLS prefix

OU2 Transfer Track–Elementary Education (19 hours)
Students must earn a "C" or better in these courses to be eligible for graduation.
GEOG 2443 Regional Geography of the World
HES 2323 Nutrition
LANG 1115 Elementary Language I+
LANG 1225 Elementary Language II+
MATH 1473 General College Math+

OU3 Transfer Track–Special Education (22 hours)
Students must earn a "C" or better in these courses to be eligible for graduation.
GEOG 2443 Regional Geography of the World
HES 2323 Nutrition
LANG 1115 Elementary Language I+
LANG 1225 Elementary Language II+
MATH 1473 General College Math+
PSYC 2213 Developmental Psychology+ **OR** PSYC 2303 Personality Theories+

OSU Transfer Track-Elementary Childhood (20 hours)
Students must earn a "C" or better in these courses to be eligible for graduation.
ART 1103 Art Appreciation **OR** MUS 1203 Music in Life
CHEM 1114 Introductory Chemistry+
GEOG 2443 Regional Geography of the World
HPER 1102 First Aid
LANG 1115 Elementary Language I+ (required if students did not complete 2 years of foreign language in high school with a "B" or better) **OR** 5 hours minimum of classes with a HIST, PSYC, SOC, HUM, FSCD, or POLS prefix
MATH 1473 General College Math+
OR MATH 1743 Calculus I for Business, Life & Social Sciences+
OR MATH 2033 Analysis of Data and Chance+

+Check course description for prerequisites that must be met.

Psychology Associate in Arts Degree
(61 credit hours)

Program Goals & Outcomes
The Psychology Associate in Arts Degree is designed to provide a program of study that empowers students to acquire the skills required to function efficiently within this rapidly emerging field.

The program emphasizes several specific goals. Students will:

1. Develop an understanding of past and current theories derived from research in the field;
2. Exercise and expand critical-thinking and communication skills to engender life-long learning and amplify fulfillment in relationships;
3. Appreciate diversity by increasing the understanding of psychological similarities and differences among people of various circumstances and backgrounds; and
4. Choose among a wide array of courses that provide in-depth excursions into the many and varied facets within the field.

Program Outcomes Assessment
The Program Requirements contain the competencies needed for all Psychology graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded
Associate in Arts

Contact Information
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Psychology Associate in Arts Degree
(61 credit hours)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in PSYC 1103 to be eligible for graduation.		
PSYC 1103 Psychology of Human Relationships		
General Education Electives (6 hours)		
Students must earn a "C" or better in these courses be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		

PROGRAM REQUIREMENTS (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 2213 Developmental Psychology+		
PSYC 2303 Personality Theories+		

ADDITIONAL REQUIREMENTS (18 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Limited Additional Requirements on next page.		

+Check course description for prerequisites that must be met.

Psychology Associate in Arts Degree
(61 credit hours)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Limited Additional Requirements
PHIL 2113 Introduction to Logic & Critical Thinking+
PSYC/SOC 2123 Sex & Gender+
PSYC 2313 Introduction to Counseling+
PSYC 2323 Social Psychology+
PSYC 2391-3 Psychology Internship
PSYC 2413 Psychology of Human Sexuality+
PSYC 2503 Psychology Statistics+
PSYC 2703 Psychology of Abnormal Behavior+
SOC 2223 Social Problems+

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
PSYC 1113 Introduction to Psychology	SOC 1113 Introduction to Sociology+ PSYC 1103 Psychology of Human Relationships PSYC 2213 Developmental Psychology+ 3 hours of Limited Additional Requirements
3rd Semester	**4th Semester**
PSYC 2303 Personality Theories+ 6 hours of Limited Additional Requirements	9 hours of Limited Additional Requirements

Social Sciences Associate in Arts Degree
(63 credit hours minimum)

Program Goals & Outcomes
The goal of the Social Sciences Associate in Arts Degree is to provide students the foundation necessary to transfer to a related baccalaureate degree program at a 4-year college or university.

Specific objectives include providing students with:
1. A broad-based introduction to the Social Sciences;
2. An understanding of a variety of specific areas of the Social Sciences to gain a sense of how they interrelate; and
3. A general education foundation from which to learn to communicate, think critically, and analyze problems.

Program Outcomes Assessment
The Program Requirements contain the competencies needed for all Social Sciences graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded
Associate in Arts

Contact Information
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Social Sciences Associate in Arts Degree

(63 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (18 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		
12 hours from any of the following areas: CJ, FSCD, GEOG, HES, HIST, HPER, POLS, PSYC, SOSC, or SOC		

OPTION ELECTIVES (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
While there are no restrictions on Option courses (as long as they are college-level classes), students should consult the catalog of the institution from which they will receive a bachelor's degree before making selections.		

+Check course description for prerequisites that must be met.

Social Sciences Associate in Arts Degree
(63 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
PSYC 1113 Introduction to Psychology 3 hours of Program Requirements	SOC 1113 Introduction to Sociology+ 3 hours of Program Requirements
3rd Semester	**4th Semester**
6 hours of Program Requirements	8 hours of Option Electives

Sociology Associate in Arts Degree Counseling/Social Work Option (64 credit hours minimum)

Program Goals & Outcomes

The goal of the Sociology Associate in Arts Degree Program is to provide students with a strong foundation in the concepts, terminology, and current advances in the field of Sociology. By doing so, this will prepare students to transfer to a baccalaureate program in Sociology and other Social Science programs. The program is also designed to provide students with skills that will prepare them for a wide range of career opportunities in corporate, non-profit, and government organizations.

Upon completion of the program, students will be able to:

1. Distinguish between various components of our social structure and explain how those components affect various aspects of individuals' lives and life experiences;
2. Recognize structural inequalities based on race, class, and gender;
3. Appraise how structural inequalities affect human agency and life outcomes;
4. Employ broad sociological theory to provide an original analysis of current circumstances in society;
5. Discuss the ways in which social structure and culture vary across time and place, and the effect of such variations;
6. Explain the history of social welfare and the development of the profession of social work;
7. Apply the principles and techniques of social work theory in planning interventions with individuals, families, groups, organizations, and communities;
8. Recognize the unique characteristics, decisions, strengths, limitations, and resources of diverse populations;
9. Apply various theoretical frameworks to evaluate social concerns and ethical issues surrounding vulnerable, impoverished and oppressed populations; and
10. Employ research methodology to analyze and evaluate the practitioner's own work, institution for which they are employed, and common practices within their field.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

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Sociology Associate in Arts Degree
Counseling/Social Work Option (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in SOC 2463 to be eligible for graduation.		
SOC 2463 Understanding Child Abuse & Neglect+		
General Education Electives (6 hours)		
Students must earn a "C" or better in SOC 2333 to be eligible for graduation.		
SOC 2333 Families & Substance Abuse+		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		
SOC 2223 Social Problems+		
SOC 2403 The Family in Society+		
SOC 2503 Criminology+		

OPTION REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1103 Psychology of Human Relationships		
PSYC 2313 Introduction to Counseling+		
SOC 2113 Introduction to Social Work+		

SUPPORT & RELATED ELECTIVES (3 hours)		
Students should consult the catalog of the institution from which they will receive a baccalaureate degree before selecting Support & Related Electives. Choose from Criminal Justice, Economics, Geography, History, Political Science, Psychology, Sociology, or Foreign Language course(s).		

+Check course description for prerequisites that must be met.

Sociology Associate in Arts Degree
Counseling/Social Work Option (64 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
PSYC 1103 Psychology of Human Relationships SOC 1113 Introduction to Sociology+	PSYC 1113 Introduction to Psychology SOC 2113 Introduction to Social Work+ SOC 2223 Social Problems+
3rd Semester	**4th Semester**
PSYC 2313 Introduction to Counseling+ SOC 2403 The Family in Society+	SOC 2503 Criminology+ 3 hours of Support & Related Electives

Sociology Associate in Arts Degree
Gender Studies Option (64 credit hours minimum)

Program Goals & Outcomes

The goal of the Sociology Associate in Arts Degree, Gender Studies Option, is to provide students with a deeper understanding of the social construction of gender, the history of and important literature in the study of gender, and current research in the field of women's and gender studies. This education will prepare students to transfer to a baccalaureate program in sociology or women's and gender studies as well as other social science programs. The program provides students with skills that will prepare them for a wide range of career opportunities in corporate, non-profit, academic, and government organizations, especially those fields in which gender issues are an integral component of their mission.

Students who complete the program will be able to:

1. Evaluate the social construction of gender and explore how it pertains to the particular inquiry or study undertaken (e.g., sociology, psychology, political science, criminal justice, history);
2. Explain how class, ethnicity, gender, and racial constructs and perspectives not only shape our understanding of the past but also influence how sociologists analyze and interpret current social issues;
3. Interpret important trends in the experience of all genders as well as societal attitudes about sex and gender;
4. Differentiate between sex and gender in the context of shifting definitions of femininity and masculinity, sexual orientation, and gender identity;
5. Recognize the distinction between quantitative and qualitative research and the importance of both in understanding social issues of sex and gender;
6. Think critically and analytically about gender and its intersections with race, class, and sexuality in a global context, and its impact on all genders worldwide;
7. Analyze and synthesize the historiography of women's history, gender history, and feminism; and
8. Understand and critique feminist politics, which will help them find success in the complex contexts in which they will live and work.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

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Sociology Associate in Arts Degree
Gender Studies Option (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better in PSYC 2323 to be eligible for graduation.		
PSYC 2323 Social Psychology+		
General Education Electives (6 hours)		
Students must earn a "C" or better in PSYC 2413 to be eligible for graduation.		
PSYC 2413 Psychology of Human Sexuality+		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		
SOC 2223 Social Problems+		
SOC 2403 The Family in Society+		
SOC 2503 Criminology+		

OPTION REQUIREMENTS (12 hours)		
ENGL 2253 Women in American Literature+		
HIST 2133 Women's History		
HIST 2583 Introduction to LGBTQ+ History+		
SOC 2123 Sex & Gender+		

+Check course description for prerequisites that must be met.

Sociology Associate in Arts Degree
Gender Studies Option (64 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
HIST 2133 Women's History PSYC 1113 Introduction to Psychology SOC 1113 Introduction to Sociology+	ENGL 2253 Women in American Literature+ SOC 2123 Sex & Gender+ SOC 2223 Social Problems+
3rd Semester	**4th Semester**
HIST 2583 Introduction to LGBTQ+ History+ PSYC 2323 Social Psychology+ SOC 2403 The Family in Society+	SOC 2503 Criminology+

Sociology Associate in Arts Degree
Sociology Option (64 credit hours minimum)

Program Goals & Outcomes

The goal of the Sociology Associate in Arts Degree Program is to provide students with a strong foundation in the concepts, terminology, and current advances in the field of Sociology. By doing so, this will prepare students to transfer to a baccalaureate program in sociology and other social science programs. The program is also designed to provide students with skills that will prepare them for a wide range of career opportunities in corporate, non-profit, and government organizations.

Students who complete the program will be able to:

1. Describe the field of Sociology including its theoretical and scientific roots;
2. Discuss the meaning of theory and/or theoretical orientations to social issues or the social world;
3. Explain how the scientific method lends itself to the goals of sociological and statistical analysis of current social issues;
4. Differentiate and appraise the basic methodological approaches for gathering sociological data;
5. Distinguish between various components of our social structure and explain how those components affect various aspects of individuals' lives and life experiences;
6. Recognize structural inequalities based on race, class, and gender;
7. Appraise how structural inequalities affect human agency and life outcomes;
8. Employ broad sociological theory to provide an original analysis of current circumstances in society; and
9. Discuss the ways in which social structure and culture vary across time and place, and the effect of such variations.

Program Outcomes Assessment

The Program Requirements contain the competencies needed for all graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

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Sociology Associate in Arts Degree
Sociology Option (64 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
Students must earn a "C" or better to be eligible for graduation.		
See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)		
Students must earn a "C" or better in SOC 2123 to be eligible for graduation.		
SOC 2123 Sex & Gender+		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		
SOC 2223 Social Problems+		
SOC 2403 The Family in Society+		
SOC 2503 Criminology+		

OPTION REQUIREMENTS (3 hours)		
Students must earn a "C" or better in PSYC 2323 to be eligible for graduation.		
PSYC 2323 Social Psychology+		

SUPPORT & RELATED ELECTIVES (9 hours)		
Students should consult the catalog of the institution from which they will receive a baccalaureate degree before selecting Support & Related Electives. Choose from Criminal Justice, Economics, Geography, History, Political Science, Psychology, Sociology, or Foreign Language course(s).		

+Check course description for prerequisites that must be met.

Sociology Associate in Arts Degree
Sociology Option (64 credit hours minimum)

Science Electives
HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives
Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023 & MATH 2033

Suggested Order of Enrollment
Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
PSYC 1113 Introduction to Psychology SOC 1113 Introduction to Sociology+	SOC 2223 Social Problems+ 3 hours of Support & Related Electives
3rd Semester	**4th Semester**
PSYC 2323 Social Psychology+ SOC 2403 The Family in Society+ 3 hours of Support & Related Electives	SOC 2503 Criminology+ 3 hours of Support & Related Electives

STEM Division

Programs

Associate in Science Degrees, Options/Emphases

Aviation Management

Baccalaureate Track–Allied Health
- Pre-Dietetics
- Pre-Medical Imaging
- Pre-Occupational Therapy
- Pre-Physical Therapy

Baccalaureate Track–Nursing

Biological Science

Chemistry
- Chemical Science
- Pre-Pharmacy
- Pre-Professional Health Care

Data Science & Analytics

Earth & Environmental Sciences
- Atmospheric Science
- Earth Science Education
- Environmental Quality/Safety
- Geology
- Natural Resources
- Science & Analytical

Engineering
- Electrical/Computer
- General
- Mechanical/Aerospace

General Science

Mathematics
- Computer Science Emphasis
- Education Emphasis
- General Emphasis

Physics

Associate in Applied Science Degrees, Options

Applied Technology
- Aerospace Technology

Engineering Technology
- Advanced Design
- Electronics
- Mechanical Systems
- Quality Assurance

** Embedded certificate

Applied Technology Associate in Applied Science Degree Aerospace Technology Option (60 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Applied Science in Applied Technology degree program facilitates degree completion by Oklahomans who have earned an industry recognized credential to fulfill a career goal by combining general education course work with specific technical knowledge and skills in preparation for employment or career advancement. Students completing this program will have the skill sets most requested by Oklahoma employers and relevant to future occupations and career paths. The courses in the general education core has a Transfer Guarantee between the community colleges and also transferability to the Research and Regional Universities through the Course Equivalency Project.

In addition to satisfying the learning outcomes of general education courses and the overall institutional learning outcomes, graduates of the proposed degree will:

1. Know and be able to apply the terminology and conceptual frameworks related to common organizational structures and basic operations in the workplace;
2. Have the technical knowledge and skills expected of entry-level employees in their field of study; and
3. Demonstrate the professional/ethical behaviors essential in the workplace.

Degree Awarded

Associate in Applied Science

Contact Information

STEM Division Advisor
(405) 736-0280

Applied Technology Associate in Applied Science Degree
Aerospace Technology Option (60 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (18 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
Communication (6 hours)		
ENGL 1113 English Composition I+		
ENGL 2053 Technical Report Writing+		
U.S. History/Political Science (6 hours)		
POLS 1113 American Federal Government		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
Liberal Arts, Math, or Science (6 hours)		
Select 6 credit hours from these disciplines.		

PROGRAM REQUIREMENTS (42 hours)		
Technical Block Credit FAA A&P for General &Airframe **AND/OR** Powerplant		

Applied Technology Associate in Applied Science Degree Aerospace Technology Option (60 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the Engineering & Science Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
3-6 hours of General Education	3-6 hours of General Education
3rd Semester	**4th Semester**
3-6 hours of General Education	3-6 hours of General Education

Aviation Management Associate in Science Degree
(62 Credit Hours Minimum)

Program Goals & Outcomes
The goal of the Aviation Management Associate in Science Degree is to provide students a foundation in accounting, management, communication, aviation history, aviation safety, private piloting requirements, and small unmanned aircraft systems (sUAS) operations necessary to contribute in the aerospace industry or continue their education in a professional pilot program or through pursuing their bachelor's degree at a 4-year college or university.

Upon completion, graduates will be prepared to:

1. Apply mathematics, science, and applied sciences to aviation-related disciplines;
2. Work effectively on multidisciplinary and diverse teams;
3. Communicate effectively, using both written and oral communication skills;
4. Use the techniques, skills, and modern technology necessary for professional practice;
5. Evaluate aviation safety and the impact of human factors on safety;
6. Complete the FAA Private Pilot written knowledge exam;
7. Complete the FAA Unmanned Aircraft General (UAG) exam and operate a small unmanned aircraft system (sUAS) as a Remote Pilot (FAA Part 107); and
8. Successfully transfer to a baccalaureate degree program in Aviation Management, Business, or a Professional Pilot Program.

Note
Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Degree Awarded
Associate in Science

Contact Information
STEM Division Advisor
(405) 736-0280

AVIATION MANAGEMENT ASSOCIATE IN SCIENCE DEGREE
(62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours minimum - one must include lab)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
METR 1123 Introduction to Meteorology+		
METR 1121 Introduction to Meteorology Laboratory+		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1483 Functions and Modelling+ **OR** *MATH 1513 College Algebra+		
*MATH 1743 Calculus I for Business+		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		
Recommended course: PHIL 2113 Introduction to Logic & Critical Thinking+		
General Education Elective (3 hours)		
Students must earn a "C" or better to be eligible for graduation.		
ECON 2303 Principles of Microeconimics		

PROGRAM REQUIREMENTS (22 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ACCT 2103 Financial Accounting+		
[1]AVI 1014 Private Pilot Ground School		
AVI 1313 Introduction to UAS Operations		
AVI 2123 Aviation History		
[1]AVI 2613 Aviation Safety		
ECON 2403 Principles of Macroeconomics		
MGMT 2103 Principles of Management		
[1]**PROGRAM ELECTIVES (3 hours)**		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Program Electives on next page.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for these courses through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Aviation Management Associate in Science Degree
(62 Credit Hours Minimum)

[1]Aviation Maintenance
Aviation Maintenance professionals who hold an FAA Aviation Mechanic certificate with both the Airframe (A) and the Powerplant (P) ratings - commonly referred to as an "FAA A&P Certificate" - are elgibile for prior learning credit for AVI 2712 A/P General License, AVI 2714 A/P Airframe License, and AVI 2724 A/P Powerplant License, totaling 10 credit hours to replace AVI 1014 Private Pilot Ground School, AVI 2613 Aviation Safety, and the AVI Program elective towards fulfillment of degree requirements.

Science Electives
Recommended courses include:
GEOG 1114 Physical Geography+
PHYS 1513 Introductory Physics+

Acceptable courses include: HSBC 1104, HSBC 1224, HSBC 2103+, HSBC 2114+, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Program Electives
Any AVI course in addition to AVI 1014, AVI 1313, AVI 2123, and AVI 2613
ACCT 1123 College Accounting Procedures
ACCT 2203 Managerial Accounting+
BA 1303 Introduction to Business
CIT 1103 Introduction to Computers
ECON 2843 Elements of Statistics+
ENGR 1213 Introduction to Engineering Practices+
ENGR 2013 Engineering Graphics & Design+
GIS 1113 Introduction to Geographic Information Systems
MATH 2083 Introduction to Statistics for Engineering & Science+
MCOM 1213 Introduction to Communication
Any MGMT course in addition to MGMT 2103

Suggested Order of Enrollment
This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the Engineering & Science Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MATH 1483 Functions & Modelling+	MATH 1743 Calculus I for Business+
Science Elective	ENGL 1213 English Composition II+
ENGL 1113 English Composition I+	AVI 2123 Aviation History
AVI 1313 Introduction to UAS Operations	ECON 2403 Principles of Macroeconomics
PHIL 2113 Introduction to Logic & Critical Thinking+	ACCT 1123 College Accounting Procedures
3rd Semester	**4th Semester**
METR 1123 Introduction to Meteorology+	MCOM 1213 Introduction to Communication
AVI 1014 Private Pilot Ground School	AVI 2613 Aviation Safety
ECON 2303 Principles of Microeconomics	ACCT 2203 Managerial Accounting+
ACCT 2103 Financial Accounting+	ECON 2843 Elements of Statistics+

AVIATION MANAGEMENT — 1162

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Dietetics Option (66 Credit Hours Minimum)

Program Goals & Outcomes

The Association of Schools of Allied Health Professions defines allied health as the segment of the health care field "that delivers services involving the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; and rehabilitation and health systems management."

There are 5 million allied health care providers in the United States who work in more than 80 different professions and represent approximately 60% of all health care providers. The number of allied health care providers is likely to grow as jobs in the health care industry will increase from 15.6 million to 19.8 million between 2010 and 2020. Oklahoma had 54,360 allied health professionals in 2015. Oklahoma's need for allied health professionals is expected to mirror the expected growth in the United States.

Some allied health care providers work collaboratively with other providers, including physicians, nurses, dentists, and pharmacists. They may play roles in evaluating and assessing a patient's needs, keeping the physician and others informed of the patient's progress and caring for the patient. Others work independently as specialists in exercise, nutrition, health education, speech, and daily function.

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The Allied Baccalaureate Track-Allied Health Associate is Science includes options in: Pre-Physical Therapy, Pre-Medical Imaging, Pre-Dietetics, or Pre-Occupational Therapy. Expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within the curriculum;
4. Apply learned skills across disciplines such as biology, math, chemistry, physics, psychology, and medicine; and
5. Interpret topical issues with regards to their scientific merit.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Dietetics Option (66 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
CHEM 1135 General College Chemistry I+		
CHEM 1145 General College Chemistry II+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		
PROGRAM REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2424 Human Physiology+		
HSBC 1113 Medical Terminology		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		
OPTION REQUIREMENTS (16 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1315 General Zoology		
BIOL 2035 Principles of Microbiology+		
HES 2323 Nutrition		
SOC 1113 Introduction to Sociology+		

+Check course description for prerequisites that must be met.

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Dietetics Option (66 Credit Hours Minimum)

Suggested Order of Enrollment

This plan shows one *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I MATH 1513 College Algebra+ PSYC 1113 Introduction to Psychology	CHEM 1135 General College Chemistry I+ HES 2323 Nutrition HSBC 1113 Medical Terminology SOC 1113 Introduction to Sociology+
3rd Semester	**4th Semester**
BIOL 2035 Principles of Microbiology+ CHEM 1145 General College Chemistry II+	BIOL 2424 Human Physiology+ PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Medical Imaging Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Association of Schools of Allied Health Professions defines allied health as the segment of the health care field "that delivers services involving the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; and rehabilitation and health systems management."

There are 5 million allied health care providers in the United States who work in more than 80 different professions and represent approximately 60% of all health care providers. The number of allied health care providers is likely to grow as jobs in the health care industry will increase from 15.6 million to 19.8 million between 2010 and 2020. Oklahoma had 54,360 allied health professionals in 2015. Oklahoma's need for allied health professionals is expected to mirror the expected growth in the United States.

Some allied health care providers work collaboratively with other providers, including physicians, nurses, dentists, and pharmacists. They may play roles in evaluating and assessing a patient's needs, keeping the physician and others informed of the patient's progress and caring for the patient. Others work independently as specialists in exercise, nutrition, health education, speech, and daily function.

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The Allied Baccalaureate Track-Allied Health Associate is Science includes options in: Pre-Physical Therapy, Pre-Medical Imaging, Pre-Dietetics, or Pre-Occupational Therapy. Expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within the curriculum;
4. Apply learned skills across disciplines such as biology, math, chemistry, physics, psychology, and medicine; and
5. Interpret topical issues with regards to their scientific merit.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Medical Imaging Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
CHEM 1135 General College Chemistry I+		
BIOL 1315 General Zoology		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
_____		
_____		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2424 Human Physiology+		
HSBC 1113 Medical Terminology		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

OPTION REQUIREMENTS (13 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1103 Introduction to Computers		
ENGL 2053 Technical Report Writing+		
HSBC 2114 Human Anatomy+		
SOC 1113 Introduction to Sociology+		

+Check course description for prerequisites that must be met.

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Medical Imaging Option (63 Credit Hours Minimum)

Suggested Order of Enrollment

This plan shows one *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CIT 1103 Introduction to Computers	CHEM 1135 General College Chemistry I+
BIOL 1124 General Biology I	BIOL 1315 General Zoology
MATH 1513 College Algebra+	HSBC 1113 Medical Terminology
PSYC 1113 Introduction to Psychology	SOC 1113 Introduction to Sociology+
3rd Semester	**4th Semester**
ENGL 2053 Technical Report Writing+	BIOL 2424 Human Physiology+
HSBC 2114 Human Anatomy+	PHYS 2401 General Physics Laboratory I+
	PHYS 2414 General Physics I+

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Occupational Therapy Option (65 credit hours min.)

Program Goals & Outcomes

The Association of Schools of Allied Health Professions defines allied health as the segment of the health care field "that delivers services involving the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; and rehabilitation and health systems management."

There are 5 million allied health care providers in the United States who work in more than 80 different professions and represent approximately 60% of all health care providers. The number of allied health care providers is likely to grow as jobs in the health care industry will increase from 15.6 million to 19.8 million between 2010 and 2020. Oklahoma had 54,360 allied health professionals in 2015. Oklahoma's need for allied health professionals is expected to mirror the expected growth in the United States.

Some allied health care providers work collaboratively with other providers, including physicians, nurses, dentists, and pharmacists. They may play roles in evaluating and assessing a patient's needs, keeping the physician and others informed of the patient's progress and caring for the patient. Others work independently as specialists in exercise, nutrition, health education, speech, and daily function.

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The Allied Baccalaureate Track-Allied Health Associate is Science includes options in: Pre-Physical Therapy, Pre-Medical Imaging, Pre-Dietetics, or Pre-Occupational Therapy. Expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within the curriculum;
4. Apply learned skills across disciplines such as biology, math, chemistry, physics, psychology, and medicine; and
5. Interpret topical issues with regards to their scientific merit.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Occupational Therapy Option (65 credit hours min.)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
BIOL 1315 General Zoology		
CHEM 1135 General College Chemistry I+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
_____		
_____		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology		

PROGRAM REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2424 Human Physiology+		
HSBC 1113 Medical Terminology		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

OPTION REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2035 Principles of Microbiology+		
CIT 1103 Introduction to Computers		
ENGL 2053 Technical Report Writing+		
HSBC 2114 Human Anatomy+		

+Check course description for prerequisites that must be met.

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Occupational Therapy Option (65 credit hours min.)

Suggested Order of Enrollment

This plan shows one *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I	CHEM 1135 General College Chemistry I+
CIT 1103 Introduction to Computers	ENGL 2053 Technical Report Writing+
MATH 1513 College Algebra+	HSBC 1113 Medical Terminology
PSYC 1113 Introduction to Psychology	HSBC 2114 Human Anatomy+
3rd Semester	**4th Semester**
BIOL 1315 General Zoology	BIOL 2035 Principles of Microbiology+
BIOL 2424 Human Physiology+	PHYS 2401 General Physics Laboratory I+
	PHYS 2414 General Physics I+

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Physical Therapy Option (65 credit hours min.)

Program Goals & Outcomes

The Association of Schools of Allied Health Professions defines allied health as the segment of the health care field "that delivers services involving the identification, evaluation and prevention of diseases and disorders; dietary and nutrition services; and rehabilitation and health systems management."

There are 5 million allied health care providers in the United States who work in more than 80 different professions and represent approximately 60% of all health care providers. The number of allied health care providers is likely to grow as jobs in the health care industry will increase from 15.6 million to 19.8 million between 2010 and 2020. Oklahoma had 54,360 allied health professionals in 2015. Oklahoma's need for allied health professionals is expected to mirror the expected growth in the United States.

Some allied health care providers work collaboratively with other providers, including physicians, nurses, dentists, and pharmacists. They may play roles in evaluating and assessing a patient's needs, keeping the physician and others informed of the patient's progress and caring for the patient. Others work independently as specialists in exercise, nutrition, health education, speech, and daily function.

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The Allied Baccalaureate Track-Allied Health Associate is Science includes options in: Pre-Physical Therapy, Pre-Medical Imaging, Pre-Dietetics, or Pre-Occupational Therapy. Expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within the curriculum;
4. Apply learned skills across disciplines such as biology, math, chemistry, physics, psychology, and medicine; and
5. Interpret topical issues with regards to their scientific merit.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Physical Therapy Option (65 credit hours min.)

GENERAL EDUCATION REQUIREMENTS (41 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
BIOL 1315 General Zoology		
CHEM 1135 General College Chemistry I+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
_____		
_____		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (6 hours)		
PSYC 1113 Introduction to Psychology		
PSYC 2213 Developmental Psychology+		

PROGRAM REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2424 Human Physiology+		
HSBC 1113 Medical Terminology		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

OPTION REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2035 Principles of Microbiology+		
HSBC 2114 Human Anatomy+		
PSYC 2503 Psychology Statistics+		

+Check course description for prerequisites that must be met.

Baccalaureate Track–Allied Health Associate in Science Degree, Pre-Physical Therapy Option (65 credit hours min.)

Suggested Order of Enrollment

This plan shows one *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I	CHEM 1135 General College Chemistry I+
HSBC 1113 Medical Terminology	HSBC 2114 Human Anatomy+
MATH 1513 College Algebra+	PSYC 2213 Developmental Psychology+
PSYC 1113 Introduction to Psychology	
3rd Semester	**4th Semester**
BIOL 1315 General Zoology	BIOL 2035 Principles of Microbiology+
BIOL 2424 Human Physiology+	PHYS 2401 General Physics Laboratory I+
PSYC 2503 Psychology Statistics+	PHYS 2414 General Physics I+

Baccalaureate Track–Nursing Associate in Science Degree (63 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Describe the properties attributed to living organisms in order to appreciate the scope of those things that may impact patients;
2. Apply quantitate measurements to problems and topics related to the Nursing Sciences (such as microbial growth, genetics, etc.);
3. Employ critical thinking and scientific methodology when addressing various nursing problems;
4. Evaluate how technology is used to answer questions related to patient care, and be able to assess which tools are best suited to answer various questions;
5. Appraise current issues in the scientific community; and
6. Assess different ethical and legal questions that nursing students may encounter and create a sociological and psychological foundation necessary for a nursing career.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Baccalaureate Track–Nursing Associate in Science Degree (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
CHEM 1114 Introductory Chemistry+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better to be eligible for graduation.		
Any 1000 level or higher MATH course **except** MATH 2013, MATH 2023 & MATH 2033		
Liberal Arts (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PSYC 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology+		
SOC 2403 The Family in Society+		

PROGRAM REQUIREMENTS (19 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2035 Principles of Microbiology+		
BIOL 2424 Human Physiology+		
HES 2323 Nutrition		
HSBC 1113 Medical Terminology		
HSBC 2114 Human Anatomy+		

PROGRAM ELECTIVES (6 hours)		
See Program Electives on next page.		

+Check course description for prerequisites that must be met.

Baccalaureate Track–Nursing Associate in Science Degree (63 Credit Hours Minimum)

Program Electives

PSYC 2213 Developmental Psychology+
PSYC 2303 Personality Theories+
PSYC 2323 Social Psychology+
PSYC 2503 Psychology Statistics+
PYSC 2523 Child Growth & Development

Suggested Order of Enrollment

This plan shows one *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I HSBC 1113 Medical Terminology 1000 level or higher MATH course **EXCEPT** MATH 2013, MATH 2023 & MATH 2033 SOC 1113 Introduction to Sociology+	CHEM 1114 Introductory Chemistry+ HSBC 2114 Human Anatomy+ PSYC 1113 Introduction to Psychology SOC 2403 The Family in Society+
3rd Semester	**4th Semester**
BIOL 2035 Principles of Microbiology+ HES 2323 Nutrition Program Electives	BIOL 2424 Human Physiology+ Program Electives

Biological Science Associate in Science Degree
(68 Credit Hours Minimum)

Program Goals & Outcomes
The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Describe the properties attributed to living organisms;
2. Apply quantitative measurements to problems and topics related to biological matters (such as population dynamics, genetics, etc.);
3. Design experiments by applying critical thinking and scientific methodology to various biological inquires;
4. Evaluate how technology is used to answer questions related to the biological sciences, and be able to assess which tools are best suited to answer various questions related to living organisms; and
5. Appraise current issues in the scientific community.

Degree Awarded
Associate in Science
Biotechniques Micro-credential

Biotechniques Micro-credential
Students that complete certain coursework within the Biological Science AS degree plan are eligible for the Biotechniques Micro-credential. This micro-credential benefits students that are looking to work in a lab setting; be that as a lab technician or in pursuit of a professional degree.

Students must complete both the Principles of Microbiology course (BIOL 2035) and Biotechnology course (BIOL 2203), earn a C or better in both courses, and complete the Unknown Identification, Lab Notebook, and Barcoding project assessments. Students that successfully complete the Biotechniques micro-credential may be eligible for partial reimbursement of tuition costs.

Contact Information
STEM Division Advisor
(405) 736-0280

Biological Science Associate in Science Degree
(68 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
CHEM 1135 General College Chemistry I+		
CHEM 1145 General College Chemistry II+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
_____		
_____		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		
_____		

PROGRAM REQUIREMENTS (30 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1215 General Botany		
BIOL 1315 General Zoology		
BIOL 2035 Principles of Microbiology+		
BIOL 2103 Cell Biology+		
BIOL 2203 Biotechnology+ (Capstone)		
BIOL 2424 Human Physiology+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

+Check course description for prerequisites that must be met.

Biological Science Associate in Science Degree
(68 Credit Hours Minimum)

Suggested Order of Enrollment

This plan shows a *possible* grouping of courses that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I MATH 1513 College Algebra+	BIOL 1215 General Botany BIOL 1315 General Zoology CHEM 1135 General College Chemistry I+
3rd Semester	**4th Semester**
BIOL 2035 Principles of Microbiology+ CHEM 1145 General College Chemistry II+ BIOL 2103 Cell Biology+	BIOL 2203 Biotechnology+ (Capstone) BIOL 2424 Human Physiology+ PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+

Chemistry Associate in Science Degree
Chemical Science Option (66 Credit Hours minimum)

Program Goals & Outcomes

The Associate in Science in Chemistry Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plant to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize learned skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within the chemistry curriculum;
4. Apply learned skills to other disciplines;
5. Interpret topical issues with an acute ability to understand scientific aspects; and
6. Transfer to baccalaureate programs in sciences or engineering with the knowledge base, problem solving skills, and laboratory skills commensurate with the traditional first 2 years of college chemistry to provide them with the best possibility of success.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

CHEMISTRY ASSOCIATE IN SCIENCE DEGREE
CHEMICAL SCIENCE OPTION (66 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (41 hours)

	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1124 General Biology I		
*CHEM 1135 General College Chemistry I+		
BIOL 1215 General Botany **OR** BIOL 1315 General Zoology **OR** BIOL 2035 Principles of Microbiology+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1513 College Algebra+		
MATH 1613 Plane Trigonometry+ **OR** any 2000-level MATH		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (25 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.		
CHEM 1145 General College Chemistry II+		
CHEM 2103 Organic Chemistry I+		
CHEM 2112 Organic Chemistry I Laboratory+		
CHEM 2203 Organic Chemistry II+		
CHEM 2212 Organic Chemistry II Laboratory+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2414 General Physics I+ **OR** PHYS 2434 Physics I for Engineering & Science Majors+		
PHYS 2424 General Physics II+ **OR** PHYS 2444 Physics II for Engineering & Science Majors+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 through high school coursework, entrance exams, or placement exams, or by completing the prerequisite courses.**

Chemistry Associate in Science Degree
Chemical Science Option (66 Credit Hours minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+ PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+ **OR** PHYS 2434 Physics I for Engineering & Science Majors+ 7 hours of General Education Requirements	CHEM 1145 General College Chemistry II+ PHYS 2411 General Physics Laboratory II+ PHYS 2424 General Physics II+ **OR** PHYS 2444 Physics II for Engineering & Science Majors+ 7 hours of General Education Requirements
3rd Semester	**4th Semester**
BIOL 1124 General Biology I CHEM 2103 Organic Chemistry I+ CHEM 2112 Organic Chemistry I Laboratory+ 7 hours of General Education Requirements	CHEM 2203 Organic Chemistry II+ CHEM 2212 Organic Chemistry II Laboratory+ 11 hours of General Education Requirements

Chemistry Associate in Science Degree Pre-Pharmacy Option (67 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plant to transfer to a baccalaureate degree program.

Upon completion, graduates will be able to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize learned skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within our chemistry curriculum;
4. Apply learned skills to other disciplines;
5. Interpret topical issues with an acute ability to understand scientific aspects; and
6. Enter a baccalaureate or doctoral pharmacy program with the best possible preparation for success.

Note

Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

CHEMISTRY ASSOCIATE IN SCIENCE DEGREE
PRE-PHARMACY OPTION (67 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
BIOL 1315 General Zoology		
BIOL 2035 Principles of Microbiology+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in the course to be eligible for graduation.		
*MATH 1743 Calculus I for Business, Life, & Social Sciences+ **OR** *MATH 1914 Differential & Integral Calculus I+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (28 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CHEM 1145 General College Chemistry II+		
CHEM 2103 Organic Chemistry I+		
CHEM 2112 Organic Chemistry I Laboratory+		
CHEM 2203 Organic Chemistry II+		
CHEM 2212 Organic Chemistry II Laboratory+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2414 General Physics I+		
PHYS 2424 General Physics II+		
ACCT 1123 College Accounting Procedures **OR** ACCT 2103 Financial Accounting+ **OR** ECON 2303 Principles of Microeconomics **OR** ECON 2403 Principles of Macroeconomics		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135, MATH 1743/MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Chemistry Associate in Science Degree
Pre-Pharmacy Option (67 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+	CHEM 1145 General College Chemistry II+
PHYS 2401 General Physics Laboratory I+	PHYS 2411 General Physics Laboratory II+
PHYS 2414 General Physics I+	PHYS 2424 General Physics II+
8 hours of General Electives	8 hours of General Electives
3rd Semester	**4th Semester**
BIOL 1315 General Zoology	BIOL 2035 Principles of Microbiology+
CHEM 2103 Organic Chemistry I+	CHEM 2203 Organic Chemistry II+
CHEM 2112 Organic Chemistry I Laboratory+	CHEM 2212 Organic Chemistry II Laboratory+
7 hours of General Electives	10 hours of General Education

Chemistry Associate in Science Degree, Pre-Professional Health Care Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plant to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply analytical thinking skills to approach problems with scientific thought;
2. Utilize learned skills in laboratory practice and laboratory safety;
3. Write and articulate the key concepts taught within our chemistry curriculum;
4. Apply learned skills to other disciplines;
5. Interpret topical issues with an acute ability to understand scientific aspects; and
6. Successfully sit for the MCAT or DAT examinations with the best possible preparation for success.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

CHEMISTRY ASSOCIATE IN SCIENCE DEGREE, PRE-PROFESSIONAL HEALTH CARE OPTION (63 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
CHEM 1145 General College Chemistry II+		
BIOL 1315 General Zoology **OR** BIOL 2035 Principles of Microbiology+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (24 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 2424 Human Physiology+		
CHEM 2103 Organic Chemistry I+		
CHEM 2112 Organic Chemistry I Laboratory+		
CHEM 2203 Organic Chemistry II+		
CHEM 2212 Organic Chemistry II Laboratory+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2414 General Physics I+		
PHYS 2424 General Physics II+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Chemistry Associate in Science Degree, Pre-Professional Health Care Option (63 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+ PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+ 7 hours of General Electives	CHEM 1145 General College Chemistry II+ PHYS 2411 General Physics Laboratory II+ PHYS 2424 General Physics II+ 7 hours of General Electives
3rd Semester	**4th Semester**
BIOL 1315 General Zoology **OR** BIOL 2035 Principles of Microbiology+ CHEM 2103 Organic Chemistry I+ CHEM 2112 Organic Chemistry I Laboratory+ 7 hours of General Electives	BIOL 2424 Human Physiology+ CHEM 2203 Organic Chemistry II+ CHEM 2212 Organic Chemistry II Laboratory+ 5 hours of General Education Requirements

Data Science & Analytics Associate in Science Degree
(63 Credit Hours Minimum)

Program Goals & Outcomes
The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in data science.

Upon completion, graduates will be prepared to:

1. Demonstrate both procedural and conceptual understanding of mathematics, scientific method, computer modeling, quantitative analysis, and ethics in order to extract value from data for industry-appropriate decision making;
2. Apply both procedural and conceptual knowledge in preparing data for analysis, including cleansing, aggregating, and manipulating data to obtain reliable datasets for algorithm-based analysis;
3. Apply both procedural and conceptual knowledge of calculus, statistical methods, computer coding, and report writing to produce clear, concise reports in conclusion of data analytics suitable for upper-level courses and a career in data science; and
4. Successfully transfer to a baccalaureate degree program in data science.

Note
Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded
Associate in Science

Contact Information
STEM Division Academic Advisor
(405) 736-0280

Data Science & Analytics Associate in Science Degree

(63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (9 hours) - one must include lab		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Science electives on next page.		
Humanities (6 hours)		
PHIL 2113 Introduction to Logic & Critical Thinking+		
See courses listed in the RSC Academic Catalog.		
Mathematics (8-14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)		
PHIL 2603 Ethics of Data Science+		

PROGRAM REQUIREMENTS (19 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1113 Fundamentasl of Programming Logic		
CIT 1173 C++ Language+ **OR** CIT 1613 Introduction to Java Programming+		
MATH 2083 Introduction to Statistics for Engineering & Science+		
MATH 2103 Discrete Math+		
MATH 2213 Fundamentals of Data Science+		
MATH 2934 Differential & Integral Calculus III+		

PROGRAM ELECTIVES (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Data Science & Analytics Associate in Science Degree
(63 Credit Hours Minimum)

Sciences Electives
Recommended courses include:
CHEM 1135 General College Chemistry I+
PHYS 2434 Physics I for Engineering & Science Majors+
PHYS 2401 General Physics Laboratory I+

Acceptable courses include any course with the following prefixes: BIOL, CHEM, ENSC, GEOL, METR, PHSC, and PHYS

Program Electives
CIT 1533 Principles of Cybersecurity+
CIT 2013 Database Theory & Design I+
CIT 2183 Advanced Database Design+
CIT 2613 Advanced Java Programming+
ENGR 2013 Engineering Graphics & Design+
ENGR 2103 Statics+
ENGR 2133 Strength of Materials+
ENGR 2303 Materials, Design & Manufacturing Processes+
MATH 2973 Introduction Ordinary Differential Equations+
PHYS 2444 Physics II for Engineering & Science Majors+
PHYS 2411 General Physics Laboratory II+

Suggested Order of Enrollment
This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CIT 1113 Fundamentals of Programming Logic MATH 1914 Differential & Integral Calculus I+	CIT 1173 C++ Language+ **OR** CIT 1613 Intro to Java Programming+ MATH 2924 Differential & Integral Calculus II+ PHIL 2113 Introduction to Logic & Critical Thinking+
3rd Semester	**4th Semester**
MATH 2083 Introduction to Statistics+ MATH 2103 Discrete Math+ MATH 2934 Differential & Integral Calculus III+ Program Elective	MATH 2213 Fundamentals of Data Science+ PHIL 2603 Ethics of Data Science+ Program Elective

Note
If attending the University of Central Oklahoma after completion of this degree CIT 1173 C++ Language is required.

Earth & Environmental Sciences Associate in Science Degree, Atmospheric Science Option (61 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be able to:

1. Demonstrate a solid foundation in geology, math, and related sciences appropriate for students transferring to a 4-year institution;
2. Demonstrate an understanding of basic atmospheric science principles and how they relate to observations made;
3. Display an understanding of scientific inquiry, scientific methodology, application of critical thinking, use of technology, writing and oral communication skills;
4. Recognize and use appropriate resources from literature and the scientific community; and
5. Understand how atmospheric sciences apply to the many facets of society.

Note

Students in the program must complete courses listed in Program Requirements and Option Requirements sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Students should enroll in a combination of General Education Requirements and Program Requirements each semester to complete the degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Academic Advisor
(405) 736-0280

Earth & Environmental Sciences Associate in Science Degree, Atmospheric Science Option (61 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (9-10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (8-14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (17 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2434 Physics I for Engineering & Science Majors+		
PHYS 2444 Physics II for Engineering & Science Majors+		
PHYS 2943 Modern Physics for Engineering+		
MATH 2934 Differential & Integral Calculus III+		

OPTION REQUIREMENTS (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
METR 1003 Introduction to Atmospheric Science+		
METR 2802 Basic Forecasting+		
METR 2901 Capstone+		

+Check course description for prerequisites that must be met.

***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Earth & Environmental Sciences Associate in Science Degree, Atmospheric Science Option (61 Credit Hours Minimum)

Sciences Electives

BIOL 1124 General Biology I
CHEM 1145 General College Chemistry II+
ENSC 1101 Introduction to Environmental Science Laboratory
AND ENSC 1103 Introduction to Environmental Science
GEOL 1114 Physical Geology+

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+ MATH 1914 Differential & Integral Calculus I+ METR 1003 Atmospheric Science I+	MATH 2924 Differential & Integral Calculus II+ PHYS 2434 Physics I for Engineering & Science Majors+ PHYS 2401 General Physics Laboratory I+
3rd Semester	**4th Semester**
MATH 2934 Differential & Integral Calculus III+ PHYS 2444 Physics II for Engineering & Science Majors+ PHYS 2411 General Physics Laboratory II+	METR 2802 Basic Forecasting+ METR 2901 Capstone+ PHYS 2943 Modern Physics for Engineering+

Note

Although not required for the AS Degree, it is highly recommended to complete MATH 2973 before transferring to a 4-year institution.

If attending the University of Oklahoma after completion of this degree it is required you complete a computer language component at OU (METR 1313 or a substitution approved by an OU advisor) **before** enrolling in METR 2004 at OU.

Earth & Environmental Sciences Associate in Science Degree, Earth Science Education Option (64 Credit Hours Min.)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be able to:

1. Demonstrate a solid foundation in math and sciences appropriate for students transferring to a 4-year institution;
2. Demonstrate an understanding of basic scientific principles and how they relate to observable features;
3. Demonstrate an understanding of how science applies to many facets of society;
4. Display an understanding of scientific inquiry, scientific methodology, application of critical thinking, use of technology, writing and oral communication skills; and
5. Recognize and use appropriate resources from literature and the scientific community.

Note

Students in the program must complete courses listed in Program Requirements and Option Requirements sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Academic Advisor
(405) 736-0280

Earth & Environmental Science Program Coordinator
Steve Carano
scarano@rose.edu
(405) 733-7561

Earth & Environmental Sciences Associate in Science Degree, Earth Science Education Option (64 Credit Hours Min.)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (13 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
GEOL 1114 Physical Geology+		
BIOL 1124 General Biology I		
Humanities (6 hours)		
See Limited Humanities Electives on next page.		
Mathematics (4-10 hours)		
Students must earn a "C" or better to be eligible for graduation.		
MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
Liberal Arts (3 hours)		
PSYC 1113 Introduction to Psychology **OR** SOC 1113 Introduction to Sociology+		

PROGRAM REQUIREMENTS (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2434 Physics I for Engineering & Science Majors+		
PHYS 2444 Physics II for Engineering & Science Majors+		
MATH 2924 Differential & Integral Calculus II+		

OPTION REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
GEOL 1124 Historical Geology+		
METR 1121 Introduction to Meteorology Laboratory+		
METR 1123 Introduction to Meteorology+		
PHSC 1001 Earth Science Laboratory+		
PHSC 1003 Earth Science+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Earth & Environmental Sciences Associate in Science Degree, Earth Science Education Option (64 Credit Hours Min.)

Limited Humanities Electives

ART 1103 Art Appreciation
ENGL 2113 Introduction to Literature+
MUS 1203 Music in Life
TH 1353 Introduction to Theatre

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I PHSC 1001 Earth Science Laboratory+ PHSC 1003 Earth Science+ MATH 1914 Differential & Integral Calculus I+	CHEM 1135 General College Chemistry I+ MATH 2924 Differential & Integral Calculus II+
3rd Semester	**4th Semester**
GEOL 1114 Physical Geology+ GEOL 1124 Historical Geology+ PHYS 2401 General Physics Laboratory I+ PHYS 2434 Physics I for Engineering & Science Majors	PHYS 2411 General Physics Laboratory II+ PHYS 2444 Physics II for Engineering & Science Majors+ METR 1121 Introduction to Meteorology Laboratory+ METR 1123 Introduction to Meteorology+

Note

It is highly recommended taking CHEM 1145 General College Chemistry II at RSC during a summer semester before transferring to the University of Oklahoma College of Education. (Please speak with your advisor in the education department at OU to check for transferability.)

Earth & Environmental Sciences Associate in Science Degree, Environmental Quality/Safety Option (60 Credit Hours Min.)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in Environmental Science and/or Industrial Safety.

Upon completion, graduates will be prepared to:

1. Understand and apply principles of environmental media, chemistry, waste management and health and safety concepts;
2. Integrate information from across the scientific disciplines and apply these concepts to complex environmental problems;
3. Collect and interpret scientific data in both field and lab settings;
4. Design experiments by applying critical thinking and scientific methodology to various inquires; and
5. Effectively communicate to diverse audiences using written, oral, and graphic methods.

Note

Students in the program must complete all identified courses listed in Program/Option Requirements, Support & Related Electives, and General Education with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

This Associate in Science degree is meant to be a transfer degree to a baccalaureate degree program in Environmental Science and/or Industrial Safety. Rose State College has an articulation agreement for students with this degree to transfer to East Central University in their Environmental Health Science Degree and/or the University of Central Oklahoma in their Industrial Safety Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Earth & Environmental Sciences Associate in Science Degree, Environmental Quality/Safety Option (60 Credit Hours Min.)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1114 Introduction to Biology		
CHEM 1114 Introductory Chemistry+		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
MATH 1483 Functions & Modeling+ **OR** MATH 1513 College Algebra+		
Liberal Arts (3 hours)– See courses listed in the RSC Academic Catalog.		
General Education Electives (5 hours)		
Students must earn a "C" or better these courses to be eligible for graduation.		
See courses listed in the RSC Academic Catalog.		

PROGRAM/OPTION REQUIREMENTS (16 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENSC 1101 Introduction to Environmental Science Lab		
ENSC 1103 Introduction to Environmental Science		
ENSC 2123 Air Quality+		
ENSC 2233 Water Resources+		
ENSC 2403 Industrial Hygiene Practices+		
PHYS 1513 Introductory Physics+		

SUPPORT & RELATED ELECTIVES (7 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
All courses 1000 level or higher from the following areas: BIOL, CHEM, ENGR, ENSC, ENVT, GEOG, GEOL, GIS, METR, PHSC, PHYS, and CIT, **except** GEOG 1103.		

+Check course description for prerequisites that must be met.

Earth & Environmental Sciences Associate in Science Degree, Environmental Quality/Safety Option (60 Credit Hours Min.)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1114 Introduction to Biology ENSC 1101 Introduction to Environmental Science Lab ENSC 1103 Introduction to Environmental Science MATH 1483 Functions & Modeling+ **OR** MATH 1513 College Algebra+	CHEM 1114 Introductory Chemistry+ ENSC 2191 Individual Studies+ PHYS 1513 Introductory Physics+
3rd Semester	**4th Semester**
ENSC 2233 Water Resources+	ENSC 2123 Air Quality+ ENSC 2403 Industrial Hygiene Practices+

Earth & Environmental Sciences Associate in Science Degree, Geology Option (61 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, the graduate will be able to:

1. Demonstrate a solid foundation in geology, math, and related sciences appropriate for students transferring to a 4-year institution;
2. Demonstrate an understanding of basic geologic principles and how they relate to observable features;
3. Demonstrate an understanding of how geology applies to many facets of society;
4. Critically analyze theories regarding the formation of Earth and the materials that make it up;
5. Display an understanding of scientific inquiry, writing, and oral presentations; and
6. Recognize and utilize appropriate resources from scientific literature.

Note

Students in the program must complete courses listed in Program Requirements and Option Requirements sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Students should enroll in a combination of General Education Requirements and Program Requirements each semester to complete the degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Academic Advisor
(405) 736-0280

Earth & Environmental Science Program Coordinator
Steve Carano
scarano@rose.edu
(405) 733-7561

Earth & Environmental Sciences Associate in Science Degree, Geology Option (61 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
PHYS 2434 Physics I for Engineering & Science Majors+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (8-14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CHEM 1145 General College Chemistry I+		
MATH 2934 Differential & Integral Calculus III+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2444 Physics II for Engineering & Science Majors+		

OPTION REQUIREMENTS (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
GEOL 1114 Physical Geology+		
GEOL 1124 Historical Geology+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Earth & Environmental Sciences Associate in Science Degree, Geology Option (61 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
GEOL 1114 Physical Geology+ GEOL 1124 Historical Geology+ MATH 1914 Differential & Integral Calculus I+	CHEM 1135 General College Chemistry I+ MATH 2924 Differential & Integral Calculus II+
3rd Semester	**4th Semester**
CHEM 1145 General College Chemistry II+ PHYS 2401 General Physics Laboratory I+ PHYS 2434 Physics I for Engineering & Science Majors+	GEOL 2324 Rocks & Minerals+ PHYS 2411 General Physics Laboratory II+ PHYS 2444 Physics II for Engineering & Science Majors+

Earth & Environmental Sciences Associate in Science Degree, Natural Resources Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in Environmental Science and/or Environmental Sustainability.

Upon completion, graduates will be prepared to:

1. Understand and apply principles of the natural components of environmental media and man's impact upon their quality;
2. Integrate information from across the scientific disciplines and apply these concepts to complex environmental problems;
3. Collect and interpret scientific data in both field and lab settings;
4. Design experiments by applying critical thinking and scientific methodology to various inquires; and
5. Effectively communicate to diverse audiences using written, oral, and graphic methods.

Students in the program must complete courses listed in Program/Emphasis Requirements and Support and Related sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Note

This Associate in Science Degree is meant to be a transfer Degree to a baccalaureate degree program in Environmental Science and/or Environmental Sustainability. Rose State College is working closely with Oklahoma State University's Environmental Science Degree program and University of Oklahoma's Environmental Sustainability Degree program to determine transferability.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

Earth & Environmental Sciences Associate in Science Degree, Natural Resources Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (14 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+		
BIOL 1124 General Biology I		
BIOL 1215 General Botany **OR** BIOL 1315 General Zoology		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in MATH 1513 to be eligible for graduation.		
MATH 1513 College Algebra+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM/OPTION REQUIREMENTS (19 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENSC 1101 Introduction to Environmental Science Laboratory		
ENSC 1103 Introduction to Environmental Science		
ENSC 2123 Air Quality+		
ENSC 2233 Water Resources+		
GEOL 1114 Physical Geology+ **OR** GEOL 2464 Soil Science Fundamentals		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

SUPPORT & RELATED REQUIREMENTS (6 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1743 Calculus I for Business, Life, & Social Sciences+		
MATH 2083 Intro to Statistics for Engineering & Sciences+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Earth & Environmental Sciences Associate in Science Degree, Natural Resources Option (63 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
BIOL 1124 General Biology I ENSC 1101 Introduction to Environmental Science Laboratory ENSC 1103 Introduction to Environmental Science MATH 1513 College Algebra+	CHEM 1135 General College Chemistry I+ MATH 1743 Calculus I for Business, Life, & Social Sciences+
3rd Semester	**4th Semester**
ENSC 2233 Water Resources+ MATH 2083 Introduction to Statistics for Engineering & Sciences+ PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+	GEOL 1114 Physical Geology+ ENSC 2123 Air Quality+

Earth & Environmental Sciences Associate in Science Degree, Science & Analytical Option (66 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in Environmental Science and/or Environmental Engineering.

Upon completion, graduates will be prepared to:

1. Understand and apply principles of zoology/microbiology, chemistry, physics, and math that are relevant to natural systems and environmental processes;
2. Integrate information from across the scientific disciplines and apply these concepts to complex environmental problems;
3. Collect and interpret scientific data in both field and laboratory settings;
4. Design experiments by applying critical thinking and scientific methodology to various inquires; and
5. Effectively communicate to diverse audiences using written, oral, and graphic methods.

Students in the program must complete courses listed in Program/Emphasis Requirements and Support and Related sections with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Note

This Associate in Science Degree is meant to be a transfer Degree to a baccalaureate degree program in Environmental Science and/or Environmental Engineering.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

EARTH & ENVIRONMENTAL SCIENCES ASSOCIATE IN SCIENCE DEGREE, SCIENCE & ANALYTICAL OPTION (66 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (40 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
BIOL 1315 General Zoology		
BIOL 2035 Principles of Microbiology+		
*CHEM 1135 General College Chemistry I+		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (4-10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM/OPTION REQUIREMENTS (19 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CHEM 1145 General College Chemistry II+		
ENSC 1101 Introduction to Environmental Science Laboratory		
ENSC 1103 Introduction to Environmental Science		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2414 General Physics I+ **OR** PHYS 2434 Physics I for Engineering & Sci Majors+		
PHYS 2424 General Physics II+ **OR** PHYS 2444 Physics II for Engineering & Sci Majors+		

SUPPORT & RELATED REQUIREMENTS (7 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CS 1313 Programming for STEM+		
MATH 2924 Differential & Integral Calculus II+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Earth & Environmental Sciences Associate in Science Degree, Science & Analytical Option (66 Credit Hours Minimum)

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+ ENSC 1101 Introduction to Environmental Science Laboratory ENSC 1103 Introduction to Environmental Science MATH 1914 Differential & Integral Calculus I+	CHEM 1145 General College Chemistry II+ CS 1313 Programming for STEM+ MATH 2924 Differential & Integral Calculus II+
3rd Semester	**4th Semester**
PHYS 2401 General Physics Laboratory I+ PHYS 2414 General Physics I+ **OR** PHYS 2434 Physics I for Engineering & Science Majors+	PHYS 2411 General Physics Laboratory II+ PHYS 2424 General Physics II+ **OR** PHYS 2444 Physics II for Engineering & Science Majors+

Engineering Associate in Science Degree Electrical/Computer Option (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply knowledge of mathematics, science, and engineering;
2. Apply critical thinking methodologies (scientific method, design process, etc.) to various situations;
3. Communicate effectively;
4. Successfully pursue study in a scientific, mathematic, engineering, or technological area at a baccalaureate institution; and
5. Identify, formulate, and solve problems involving fundamental electrical science techniques and introductory signal processing.

Note

Students in the program must complete all identified courses listed in Program Requirements, Option Requirements, Program Electives, and General Education with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division
(405) 733-7450

Professor Steven Fowler, ET 122
sfowler@rose.edu
(405) 733-7595

ENGINEERING ASSOCIATE IN SCIENCE DEGREE ELECTRICAL/COMPUTER OPTION (62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+ **OR** *CHEM 1225 Chemistry for Engineers+		
See Engineering Science Electives on next page.		
Humanities (6 hours)—See courses listed in the RSC Academic Catalog.		
Mathematics (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)— See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2934 Differential & Integral Calculus III+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2434 Physics I for Engineering & Science Majors+		

OPTION REQUIREMENTS (13 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGR 2203 Digital Signals & Filtering+		
ENGR 2213 Electrical Science+		
PHYS 2444 Physics II for Engineering & Science Majors+		
See Engineering Electives on next page.		

SUPPORT & RELATED ELECTIVES (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135, CHEM 1225 and MATH 1914 through high school coursework, entrance exams, or placement exams, or by completing the prerequisite courses.**

Engineering Associate in Science Degree Electrical/Computer Option (62 Credit Hours Minimum)

Engineering Science Electives

CHEM 1145 General College Chemistry II+
GEOG/PHSC 1114 Physical Geography+
PHYS 2943 Modern Physics for Engineers+
Any course with BIOL, GEOL, ENSC, or METR prefix

Engineering Electives

ENGR 1213 Introduction to Engineering Practices+ (Recommend)
ENGR 2013 Engineering Graphics & Design+
ENGR 2103 Statics+**
ENGR 2113 Dynamics+
ENGR 2123 Statics & Dynamics+**
ENGR 2133 Strength of Materials+
ENGR 2233 Fluid Mechanics+
ENGR 2303 Materials, Design, & Manufacturing Processes+
ENGR 2313 Engineering Thermodynamics+
****ENGR 2103 and ENGR 2123 cannot be counted concurrently toward graduation requirements.**

Support & Related Electives

MATH 2083 Introduction to Statistics For Engineering & Sciences+
MATH 2973 Introduction to Ordinary Differential Equations+
Any CIT or computer-related course with approval of the Engineering & Science Division Dean

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
*CHEM 1135 General College Chemistry I+ OR *CHEM 1225 Chemistry for Engineers+ ENGL 1113 English Composition I+ MATH 1914 Differential & Integral Calculus I+ Option Requirement (Recommend ENGR 1213)	ENGL 1213 English Composition II+ MATH 2924 Differential & Integral Calculus II+ PHYS 2434 Physics I for Engineering & Science Majors+ Science Elective
3rd Semester	**4th Semester**
ENGR 2203 Digital Signals & Filtering+ MATH 2934 Differential & Integral Calculus III+ PHYS 2444 Physics II for Engineering & Science Majors+	ENGR 2213 Electrical Science+ Support & Related Elective

Engineering Associate in Science Degree General Option (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be prepared to:

1. Apply knowledge of mathematics, science, and engineering;
2. Apply critical thinking methodologies (scientific method, design process, etc.) to various situations;
3. Communicate effectively;
4. Successfully pursue study in a scientific, mathematic, engineering, or technological area at a baccalaureate institution; and
5. Identify, formulate, and solve engineering problems.

Note

Students in the program must complete all identified courses listed in Program Requirements, Option Requirements, Program Electives, and General Education with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division
(405) 733-7450

Professor Steven Fowler, ET 122
sfowler@rose.edu
(405) 733-7595

ENGINEERING ASSOCIATE IN SCIENCE DEGREE
GENERAL OPTION (62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+ **OR** *CHEM 1225 Chemistry for Engineers+		
See Engineering Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)– See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2934 Differential & Integral Calculus III+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2434 Physics I for Engineering & Science Majors+		

OPTION REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Engineering Electives on next page.		

SUPPORT & RELATED ELECTIVES (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135, CHEM 1225 and MATH 1914 through high school coursework, entrance exams, or placement exams, or by completing the prerequisite courses.**

Engineering Associate in Science Degree
General Option (62 Credit Hours Minimum)

Engineering Science Electives

CHEM 1145 General College Chemistry II+
GEOG/PHSC 1114 Physical Geography+
PHYS 2444 Physics II for Engineering & Science Majors+ ***
PHYS 2943 Modern Physics for Engineers+
Any course with BIOL, GEOL, ENSC, or METR prefix

Engineering Electives

ENGR 1213 Introduction to Engineering Practices+ (Recommend)
ENGR 2013 Engineering Graphics & Design+ (Recommend)
ENGR 2103 Statics+**
ENGR 2113 Dynamics+
ENGR 2123 Statics & Dynamics+**
ENGR 2133 Strength of Materials+
ENGR 2203 Digital Signals & Filtering+
ENGR 2213 Electrical Science+
ENGR 2233 Fluid Mechanics+
ENGR 2303 Materials, Design, & Manufacturing Processes+
ENGR 2313 Engineering Thermodynamics+
PHYS 2444 Physics II for Engineering & Science Majors+***

****ENGR 2103 and ENGR 2123 cannot be counted concurrently toward graduation requirements.**
*****PHYS 2444 can be used as Science OR Engineering Elective. It cannot be counted concurrently as both.**

Support & Related Electives

MATH 2083 Introduction to Statistics For Engineering & Sciences+
MATH 2973 Introduction to Ordinary Differential Equations+
Any CIT or computer-related course with approval of the STEM Division Dean

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
*CHEM 1135 General College Chemistry I+ OR *CHEM 1225 Chemistry for Engineers+ ENGL 1113 English Composition I+ MATH 1914 Differential & Integral Calculus I+ Option Requirement (Recommend ENGR 1213)	ENGL 1213 English Composition II+ MATH 2924 Differential & Integral Calculus II+ PHYS 2434 Physics I for Engineering & Science Majors+ Option Requirement (Recommend ENGR 2013)
3rd Semester	**4th Semester**
MATH 2934 Differential & Integral Calculus III+ Science Elective Option Requirement	Option Requirement Support & Related Elective

Engineering Associate in Science Degree Mechanical/Aerospace Option (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion the graduate will be prepared to:

1. Apply knowledge of mathematics, science, and engineering;
2. Apply critical thinking methodologies (scientific method, design process, etc.) to various situations;
3. Communicate effectively;
4. Successfully pursue study in a scientific, mathematic, engineering, or technological area at a baccalaureate institution; and
5. Identify, formulate, and solve problems in elementary mechanics and introductory thermal sciences.

Note

Students in the program must complete all identified courses listed in Program Requirements, Option Requirements, Program Electives, and General Education with a minimum grade of "C" in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division
(405) 733-7450

Professor Steven Fowler, ET 122
sfowler@rose.edu
(405) 733-7595

Engineering Associate in Science Degree
Mechanical/Aerospace Option (62 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (38 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*CHEM 1135 General College Chemistry I+ **OR** *CHEM 1225 Chemistry for Engineers+		
See Engineering Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)– See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2934 Differential & Integral Calculus III+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2434 Physics I for Engineering & Science Majors+		

OPTION REQUIREMENTS (12 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGR 2103 Statics+		
ENGR 2313 Engineering Thermodynamics+		
See Engineering Electives on next page.		

SUPPORT & RELATED ELECTIVES (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Support & Related Electives on next page.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135, CHEM 1225 and MATH 1914 through high school coursework, entrance exams, or placement exams, or by completing the prerequisite courses.**

Engineering Associate in Science Degree Mechanical/Aerospace Option (62 Credit Hours Minimum)

Engineering Science Electives

CHEM 1145 General College Chemistry II+
GEOG/PHSC 1114 Physical Geography+
PHYS 2444 Physics II for Engineering & Science Majors+ **
PHYS 2943 Modern Physics for Engineers+
Any course with BIOL, GEOL, ENSC, or METR prefix

Engineering Electives

ENGR 1213 Introduction to Engineering Practices+ (Recommend)
ENGR 2013 Engineering Graphics & Design+ (Recommend)
ENGR 2113 Dynamics+
ENGR 2133 Strength of Materials+
ENGR 2203 Digital Signals & Filtering+
ENGR 2213 Electrical Science+
ENGR 2233 Fluid Mechanics+
ENGR 2303 Materials, Design, & Manufacturing Processes+
PHYS 2444 Physics II for Engineering & Science Majors+**
**PHYS 2444 can be used as Science OR Engineering Elective. It cannot be counted concurrently as both.

Support & Related Electives

MATH 2083 Introduction to Statistics for Engineering & Sciences+
MATH 2973 Introduction to Ordinary Differential Equations+
Any CIT or computer-related course with approval of the STEM Division Dean

Suggested Order of Enrollment

Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
*CHEM 1135 General College Chemistry I+ OR *CHEM 1225 Chemistry for Engineers+ ENGL 1113 English Composition I+ MATH 1914 Differential & Integral Calculus I+ Option Requirement (Recommend ENGR 1213)	ENGL 1213 English Composition II+ MATH 2924 Differential & Integral Calculus II+ PHYS 2434 Physics I for Engineering & Science Majors+ Option Requirement (Recommend ENGR 2013)
3rd Semester	**4th Semester**
ENGR 2103 Statics+ MATH 2934 Differential & Integral Calculus III+ Science Elective	ENGR 2313 Engineering Thermodynamics+ Support & Related Elective

Engineering Technology Associate in Applied Science Degree, Advanced Design Option (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Applied Science Degree Program provides students with the technical skills and knowledge that apply to electronic and mechanical systems and components. The advance design option is designed to prepare students to enter the job market as a computer-aided design (CAD) and computer-aided manufacturing (CAM) technician.

CAD/CAM skills learned in the program will give students a foundation and the necessary hands-on experience that leads to better designed and manufactured products. Utilizing both disciplines, students who are successful gain a deeper appreciation for the resources and complexities that exist in each area independently, and as they work together in industry. Students will develop and refine the skills and gain the experience needed by entry-level and experienced CAD-CAM technicians.

The goal of the program is for students to master the subject matter based upon traditional classroom instruction and laboratory exercises. The expected Program outcome is to provide a comprehensive education for students to enter the workforce.

Upon completion, graduates will be prepared to:

1. Utilize drafting principles to read and comprehend a part drawing;
2. Apply and layout dimensions on a part drawing for manufacturing;
3. Create a part design using 3D CAD software program;
4. Create orthographic views of a part design utilizing 3D CAD software program;
5. Create section views of a part;
6. Create complete complex parts on computer controlled machining centers;
7. Create complete complex parts on computer controlled turning centers; and
8. Synthesize information using numerical control software to complete 3-dimensional parts on computer-controlled milling and turning centers.

Degree Awarded

Associate in Applied Science

Contact Information

STEM Division Advisor
(405) 736-0280

Engineering Technology Associate in Applied Science Degree, Advanced Design Option (62 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (32 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours) - one must include lab **Students must earn a "C" or better in these courses to be eligible for graduation.** See Science Electives on next page.		
Humanities (6 hours) See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
*MATH 1513 College Algebra+ **OR** MATH 1483 Functions & Modeling+		
Liberal Arts (3 hours) See courses listed in the RSC Academic Catalog.		

TECHNICAL-OCCUPATIONAL SPECIALTY REQUIREMENTS (18-19 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
ENGR 1213 Introduction to Engineering Practices+		
ENGT 1304 Introduction to Electronics+		
ENGR 2013 Engineering Graphics & Design+		
MATH 1914 Differential & Integral Calculus I+ **OR** MATH 1743 Calculus I for Business, Life & Social Sciences+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

TECHNICAL-OCCUPATIONAL SPECIALTY ELECTIVES (12 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.** See Technical-Occupational Specialty Electives on next page.		

+Check course description for prerequisites that must be met.

Engineering Technology Associate in Applied Science Degree, Advanced Design Option (62 Credit Hours Minimum)

Science Electives

Recommended courses include:
BIOL 1114 Introduction to Biology
CHEM 1114 Introductory Chemistry+
Acceptable courses include any course with the following prefixes: BIOL, CHEM, ENSC, GEOL, METR, PHSC, and PHYS.

Technical-Occupational Specialty Electives

CIT 1113 Fundamentals of Programming Logic
CIT 1123 Visual Basic®+
ECON 2843 Elements of Statistics+
ENGT 1203 Technology Practices
ENGT 1214 Introduction to Mechanical Systems+
ENGT 1314 Fundamentals of Electricity+
ENGT 1614 Advanced Design I+
ENGT 1833 Introduction to Quality Assurance
ENGT 2224 Computer-Aided-Design/Computer-Aided Machining (CAD®/CAM®)
ENGT 2614 Advanced Design II+
GEOL 1114 Physical Geology+
MATH 1613 Plane Trigonometry+
PHYS 2411 General Physics Laboratory II+
PHYS 2424 General Physics II+

Engineering Technology Associate in Applied Science Degree, Electronics Option (63 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Applied Science Degree Program provides students with the technical skills and knowledge that apply to electronic systems, mechanical systems, and components. The electronics option is designed to prepare students to enter the job market as an electronics engineering technician.

Electronics technicians are detail-oriented and able to follow highly complex instructions. Electronics technicians should have skill in troubleshooting problems and coming up with correct solutions. The ability to communicate effectively both in written and oral interaction is important in this career. Electronics technicians install and repair electronic equipment, while electronics engineering technicians help design, build, and test it. An associate Degree is often required to begin a career as an electronics engineering technician.

The goal of the program is for students to master the subject matter based upon traditional classroom instruction and laboratory exercises. The expected Program outcome is to provide a comprehensive education for students to enter the workforce. Upon completion, graduates will be prepared to:

1. Apply the fundamental technical knowledge and skills to effective support product design and repair;
2. Apply mathematics, physics, and information technology skills to analyze and solve technology-related problems;
3. Conduct tests and measurements;
4. Effectively communicate, both written and orally; and
5. Understand and apply electronic/electrical theory to circuits, devices, and electronic systems.

Degree Awarded

Associate in Applied Science

Contact Information

STEM Division Advisor
(405) 736-0280

Engineering Technology Associate in Applied Science Degree, Electronics Option (63 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (32 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours) - one must include lab		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1513 College Algebra+ **OR** MATH 1483 Functions & Modeling+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

TECHNICAL-OCCUPATIONAL SPECIALTY REQUIREMENTS (22-23 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGR 1213 Introduction to Engineering Practices+		
ENGT 1304 Introduction to Electronics+		
CIT 1613 Introduction to Java® Programming+		
ENGT 1314 Fundamentals of Electricity+		
MATH 1914 Differential & Integral Calculus I+ **OR** MATH 1743 Calculus I for Business, Life & Social Sciences+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

TECHNICAL-OCCUPATIONAL SPECIALTY ELECTIVES (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Technical-Occupational Specialty Electives on next page.		

+Check course description for prerequisites that must be met.

Engineering Technology Associate in Applied Science Degree, Electronics Option (63 Credit Hours Minimum)

Science Electives

Recommended courses include:
BIOL 1114 Introduction to Biology
CHEM 1114 Introductory Chemistry+
Acceptable courses include AVI 1313 or any course with the following prefixes: BIOL, CHEM, ENSC, GEOL, METR, PHSC, and PHYS.

Technical-Occupational Specialty Electives

CIT 1113 Fundamentals of Programming Logic
CIT 1123 Visual Basic®+
CIT 2613 Advanced Java® Programming+
ECON 2843 Elements of Statistics+
ENGR 2013 Engineering Graphics and Design+
ENGT 1203 Technology Practices
ENGT 1214 Introduction to Mechanical Systems+
ENGT 1314 Fundamentals of Electricity+
ENGT 1324 Circuit Analysis+
ENGT 1333 Electronic Devices & Amplifiers+
ENGT 1833 Introduction to Quality Assurance
ENGT 2123 Electromechanical Devices & Controls+
MATH 1613 Plane Trigonometry+
PHYS 2411 General Physics Laboratory II+
PHYS 2424 General Physics II+

Engineering Technology Associate in Applied Science Degree, Mechanical Systems Option (64 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Applied Science Degree Program provides students with the technical skills and knowledge that apply to electronic and mechanical systems, and components. The mechanical systems option is designed to prepare students to enter the job market as a mechanical engineering technician.

Mechanical engineering technicians help mechanical engineers design, develop, test, and manufacture mechanical devices, including tools, engines, and machines. They may make sketches and rough layouts, record and analyze data, make calculations and estimates, and report their findings. Mechanical engineering technicians assist with manufacturing processes in factories or with development phases in research and development labs before manufacturing takes place. Most employers prefer to hire candidates with an associate Degree.

The goal of the program is for students to master the subject matter based upon traditional classroom instruction and laboratory exercises. The expected Program outcome is to provide a comprehensive education for students to enter the workforce.

Upon completion, graduates will be prepared to:

1. Apply the fundamental technical knowledge and skills to effective support product design and repair;
2. Apply mathematics, physics, and information technology skills to analyze and solve technology-related problems;
3. Conduct tests and measurements;
4. Effectively communicate, both written and orally; and
5. Understand and apply mechanical theory to devices and mechanical systems.

Degree Awarded

Associate in Applied Science

Contact Information

STEM Division Advisor
(405) 736-0280

Engineering Technology Associate in Applied Science Degree, Mechanical Systems Option (64 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (32 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours) - one must include lab		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1513 College Algebra+ **OR** MATH 1483 Functions & Modeling+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

TECHNICAL-OCCUPATIONAL SPECIALTY REQUIREMENTS (23-24 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGR 1213 Introduction to Engineering Practices+		
ENGT 1304 Introduction to Electronics+		
ENGT 1214 Introduction to Mechanical Systems+		
ENGT 1224 Mechanical Systems I+		
MATH 1914 Differential & Integral Calculus I+ **OR** MATH 1743 Calculus I for Business, Life & Social Sciences+		
PHYS 2401 General Physics Laboratory I+		
PHYS 2414 General Physics I+		

TECHNICAL-OCCUPATIONAL SPECIALTY ELECTIVES (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		

+Check course description for prerequisites that must be met.

Engineering Technology Associate in Applied Science Degree, Mechanical Systems Option (64 Credit Hours Minimum)

Science Electives
Recommended courses include:
BIOL 1114 Introduction to Biology
CHEM 1114 Introductory Chemistry+
Acceptable courses include AVI 1313 or any course with the following prefixes: BIOL, CHEM, ENSC, GEOL, METR, PHSC, and PHYS.

Technical-Occupational Specialty Electives
CIT 1113 Fundamentals of Programming Logic
CIT 1123 Visual Basic®+
ECON 2843 Elements of Statistics+
ENGR 2013 Engineering Graphics & Design+
ENGT 1203 Technology Practices
ENGT 1314 Fundamentals of Electricity+
ENGT 1614 Advanced Design I+
ENGT 1833 Introduction to Quality Assurance
ENGT 1842 Dimensional Metrology+
ENGT 2214 Mechanical Systems II+
ENGT 2224 Computer-Aided-Design/Computer-Aided Machining (CAD®/CAM®)
ENGT 2614 Advanced Design II+
ENGT 2823 Non-Destructive Testing
MATH 1613 Plane Trigonometry+
PHYS 2411 General Physics Laboratory II+
PHYS 2424 General Physics II+

Engineering Technology Associate in Applied Science Degree, Quality Assurance Option (61 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Applied Science Degree Program provides students with the technical skills and knowledge that apply to electronic and mechanical systems and components. The quality assurance option is designed to prepare students to enter the job market as a quality assurance technician.

Quality assurance technicians perform pass/fail tests on products in many industries. Some more specialized industries like chemical or computer manufacturing might require additional technical background in the industry. For instance, quality assurance technicians working in food manufacturing or agriculture might benefit from a degree program in nutrition or food safety management.

Quality assurance technicians may earn voluntary national certification through the American Society for Quality. It offers the Certified Quality Technician credential, in addition to more than a dozen other specialized certifications, such as Certified Calibration Technician and Certified Quality Auditor.
The goal of the program is for students to master the subject matter based upon traditional classroom instruction and laboratory exercises. The expected Program outcome is to provide a comprehensive education for students to enter the workforce.

Upon completion, graduates will be prepared to:

1. Apply the fundamental technical knowledge and skills to effective support product development and manufacturing;
2. Apply mathematics, physics, and information technology skills to analyze and solve technology-related problems;
3. Conduct quality tests and measurements;
4. Effectively communicate, both written and orally; and
5. Understand and apply quality control theory in a variety of industries.

Degree Awarded

Associate in Applied Science

Contact Information

STEM Division Advisor
(405) 736-0280

Engineering Technology Associate in Applied Science Degree, Quality Assurance Option (61 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (32 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+ **OR** ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours) - one must include lab		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 1513 College Algebra+ **OR** MATH 1483 Functions & Modeling+		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		

TECHNICAL-OCCUPATIONAL SPECIALTY REQUIREMENTS (20 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
ENGR 1213 Introduction to Engineering Practices+		
ENGT 1304 Introduction to Electronics+		
ENGT 1833 Introduction to Quality Assurance		
MGMT 2103 Principles of Management		
ECON 2843 Elements of Statistics+		
PHSC 1313 General Physical Science+		
PHSC 1001 Earth Science Laboratory+		

TECHNICAL-OCCUPATIONAL SPECIALTY ELECTIVES (9 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Technical-Occupational Specialty Electives on next page.		

+Check course description for prerequisites that must be met.

Engineering Technology Associate in Applied Science Degree, Quality Assurance Option (61 Credit Hours Minimum)

Science Electives
Recommended courses include:
BIOL 1114 Introduction to Biology
CHEM 1114 Introductory Chemistry+
Acceptable courses include AVI 1313 or any course with the following prefixes: BIOL, CHEM, ENSC, GEOL, METR, PHSC, and PHYS.

Technical-Occupational Specialty Electives
CIT 1113 Fundamentals of Programming Logic
ECON 2303 Principles of Microeconomics
ENGR 2013 Engineering Graphics and Design+
ENGT 1203 Technology Practices
ENGT 1214 Introduction to Mechanical Systems+
ENGT 1842 Dimensional Metrology+
ENGT 1853 Quality Planning & Analysis
ENGT 2803 Statistical Quality Control+
ENGT 2833 Reliability Engineering Objectives+
MATH 1613 Plane Trigonometry+
MATH 1743 Calculus I for Business, Life & Social Sciences+
MATH 2083 Introduction to Statistics for Engineering & Sciences+
MGMT 2203 Human Resources Management
PHYS 2401 General Physics Laboratory I+
PHYS 2411 General Physics Laboratory II+
PHYS 2414 General Physics I+
PHYS 2424 General Physics II+

General Science Associate in Science Degree
(62 Credit Hours Minimum)

Program Goals & Outcomes
The Associate in Science Degree Program provides students with a wide range of scientific course topics in a flexible program of study. The expected Program outcome is to provide a broad or narrow focus in science for students who plan to transfer to a multidisciplinary baccalaureate program or for entry into the workforce.

Upon completion, graduates will be prepared to:

1. Effectively communicate verbally, written, and graphically to accurately and appropriately read, inform, and convey scientific information;
2. Perform critical analysis and interpret information collected through research or laboratory experiences, based on scientific methodology, principles, and logical reasoning;
3. Continue academic preparations in natural sciences that lead to career and professional pathways;
4. Apply math operations, graphic data, and algebraic formulas necessary to collect, analyze, and interpret scientific data through laboratory investigation and experimentation; and
5. Use current and emerging instrumentation and related technologies in the collection and recording of scientific data.

Degree Awarded
Associate in Science

Contact Information
STEM Division Advisor
(405) 736-0280

General Science Associate in Science Degree
(62 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (37 hour) | **SEMESTER COMPLETED** | **GRADE/CREDIT HRS.**

English Composition (6 hours)

ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		

U.S. History/U.S. Government (6 hours)

HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		

Sciences (13 hours)

Students must earn a C or better in selected science courses to be eligible for graduation.
See Science Electives on next page.

Humanities (6 hours)

See courses listed in the RSC Academic Catalog.

Mathematics (3 hours)

Students must earn a "C" or better in MATH 1513 to be eligible for graduation.

MATH 1513 College Algebra+		

Liberal Arts (3 hours)

See courses listed in the RSC Academic Catalog.

PROGRAM REQUIREMENTS (25 hours)

See Program Requirements on next page.

+Check course description for prerequisites that must be met.

General Science Associate in Science Degree
(62 Credit Hours Minimum)

Sciences Electives
Acceptable courses include: HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, PHYS (one course must include a lab)

Program Requirements
Courses at 1000 level or above with the following prefixes: CHEM, PHYS, HSBC, BIOL, HES, MATH, GEOL, ENGR, CIT (except CIT 1093 and CIT 1103), ASTR, METR, PHSC, ENSC

Suggested Order of Enrollment
Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM Division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
9 hours of General Education 6 hours of Program Requirements	9 hours of General Education 6 hours of Program Requirements
3rd Semester	**4th Semester**
9 hours of General Education 6 hours of Program Requirements	9 hours of General Education 6 hours of Program Requirements

Mathematics Associate in Science Degree
Computer Science Emphasis (64 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in mathematics.

Upon completion, graduates will be prepared to:

1. Demonstrate both procedural and conceptual understanding of mathematics and the relation of these tenets to problem solving in the area of computer science;
2. Apply both procedural and conceptual knowledge of mathematics and computer science to critical thinking, logical reasoning, computer programming, modeling, and quantitative analysis;
3. Apply both procedural and conceptual knowledge in the areas of calculus and discrete mathematics to upper-level courses and a career in computer science; and
4. Successfully transfer to a baccalaureate degree program in computer science that aligns with engineering and mathematics.

Note

Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

MATHEMATICS ASSOCIATE IN SCIENCE DEGREE
COMPUTER SCIENCE EMPHASIS (64 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2401 General Physics Laboratory I+		
PHYS 2434 Physics I for Engineering & Science Majors+		
See Life Science Electives on next page.		
Humanities (6 hours)		
Recommended: PHIL 2113 Introduction to Logic & Critical Thinking See courses listed in the RSC Academic Catalog.		
Mathematics (4-10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (20 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
CIT 1113 Fundamentals of Programming Logic		
CIT 1173 C++® Language+		
MATH 2083 Introduction to Statistics for Engineering & Sciences+		
MATH 2103 Discrete Mathematics+		
MATH 2924 Differential & Integral Calculus II+		
MATH 2934 Differential & Integral Calculus III+		
SUPPORT & RELATED REQUIREMENTS (5 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2411 General Physics Laboratory II+		
PHYS 2444 Physics II for Engineering & Science Majors+		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for these courses through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Mathematics Associate in Science Degree
Computer Science Emphasis (64 Credit Hours Minimum)

Science Electives

Recommended courses include: BIOL 1215 General Botany, BIOL 1315 General Zoology; or acceptable courses include: BIOL 1124 General Biology I

Suggested Order of Enrollment

This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MATH 1914 Differential & Integral Calculus I+ CIT 1113 Fundamentals of Programming Logic	MATH 2103 Discrete Mathematics+ MATH 2924 Differential & Integral Calculus II+
3rd Semester	**4th Semester**
CIT 1173 C++® Language+ MATH 2934 Differential & Integral Calculus III+ Program Elective	MATH 2083 Introduction to Statistics for Engineering & Sciences+ Program Elective

Mathematics Associate in Science Degree Education Emphasis (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in mathematics.

Upon completion, graduates will be prepared to:

1. Demonstrate both procedural and conceptual understanding of mathematics in courses through the calculus sequence;
2. Apply both procedural and conceptual knowledge of mathematics to critical thinking, logical reasoning, modeling, and quantitative analysis;
3. Apply both procedural and conceptual knowledge of mathematics to upper-level courses and a career in secondary education; and
4. Successfully transfer to a baccalaureate degree program that requires significant coursework in mathematics.

Note

Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

MATHEMATICS ASSOCIATE IN SCIENCE DEGREE EDUCATION EMPHASIS (62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (39 hours min)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)–one must include lab		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2414 General Physics I+ **OR** PHYS 2434 Physics I for Engineering & Science Majors+		
See Life Science Electives on next page.		
Humanities (6 hours)		
Recommended: PHIL 2113 Introduction to Logic & Critical Thinking		
See courses listed in the RSC Academic Catalog.		
Mathematics (4-10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+ (Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours)–See courses listed in the RSC Academic Catalog.		
PROGRAM/EMPHASIS REQUIREMENTS (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2924 Differential & Integral Calculus II+		
MATH 2934 Differential & Integral Calculus III+		
SUPPORT & RELATED REQUIREMENTS (15 hours min)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
MATH 2083 Introduction to Statistics for Engineering & Sciences+		
MATH 2103 Discrete Mathematics+		
MATH 2973 Introduction to Ordinary Differential Equations+		
PHYS 2401 General Physics Laboratory I+		
*CHEM 1135 General College Chemistry I+ **OR**		
PHYS 2424 General Physics II+ (PHYS 2411 lab required) **OR**		
PHYS 2444 Physics II for Engineering & Science Majors+ (PHYS 2411 lab required)		
PHYS 2411 General Physics Laboratory II+ (required if taking PHYS 2424 OR PHYS 2444)		

+Check course description for prerequisites that must be met.

***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Mathematics Associate in Science Degree
Education Emphasis (62 Credit Hours Minimum)

Life Science Electives

Recommended courses include: BIOL 1215 General Botany, BIOL 1315 General Zoology; or acceptable courses include: BIOL 1124 General Biology I

Suggested Order of Enrollment

This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MATH 1914 Differential & Integral Calculus I+ Program Elective 3 additional hours	MATH 2924 Differential & Integral Calculus II+ Program Elective 3 additional hours
3rd Semester	**4th Semester**
MATH 2934 Differential & Integral Calculus III+ Program Elective 6 additional hours	Program Elective 6 additional hours

Mathematics Associate in Science Degree General Emphasis (62 Credit Hours Minimum)

Program Goals & Outcomes

The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program in mathematics.

Upon completion, graduates will be prepared to:

1. Demonstrate both procedural and conceptual understanding of mathematics in courses through the calculus sequence;
2. Apply both procedural and conceptual knowledge of mathematics to critical thinking, logical reasoning, modeling, and quantitative analysis;
3. Apply both procedural and conceptual knowledge of mathematics to upper-level courses and a career related to mathematical sciences; and
4. Successfully transfer to a baccalaureate degree program that requires significant coursework in mathematics.

Note

Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded

Associate in Science

Contact Information

STEM Division Advisor
(405) 736-0280

MATHEMATICS ASSOCIATE IN SCIENCE DEGREE
GENERAL EMPHASIS (62 CREDIT HOURS MINIMUM)

GENERAL EDUCATION REQUIREMENTS (38 hours min.) | **SEMESTER COMPLETED** | **GRADE/CREDIT HRS.**

English Composition (6 hours)

ENGL 1113 English Composition I+

ENGL 1213 English Composition II+

U.S. History/U.S. Government (6 hours)

HIST 1483 U.S. History to 1877
OR HIST 1493 U.S. History Since 1877

POLS 1113 American Federal Government

Sciences (7 hours)–one must include lab

Students must earn a "C" or better in these courses to be eligible for graduation.

See Science Electives on next page.

Humanities (6 hours)

Recommended: PHIL 2113 Introduction to Logic & Critical Thinking
See courses listed in RSC Academic Catalog.

Mathematics (4-10 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

*MATH 1914 Differential & Integral Calculus I+
(Prerequisite: MATH 1513+ **AND** MATH 1613+ **OR** MATH 1715+)

Liberal Arts (3 hours)

See courses listed in RSC Academic Catalog.

General Education Electives (6 hours)

See courses listed in RSC Academic Catalog.

PROGRAM/EMPHASIS REQUIREMENTS (8 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

MATH 2924 Differential & Integral Calculus II+

MATH 2934 Differential & Integral Calculus III+

PROGRAM/EMPHASIS ELECTIVES (16 hours)–See Program Electives on next page.

Students must earn a "C" or better in these courses to be eligible for graduation.

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Mathematics Associate in Science Degree
General Emphasis (62 Credit Hours Minimum)

Science Electives

Any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, PHYS (7 hours; one course must include lab)

Program Electives

CHEM 1135 General College Chemistry I+
CHEM 1145 General College Chemistry II+
CIT 1123 Visual Basic®+
CIT 1173 C++® Language+ **or** CIT 2173 Windows® Programming in C++®.NET+
CIT 1203 Script Programming+
ENGR 1213 Introduction to Engineering Practices+
MATH 2083 Introduction to Statistics for Engineering & Sciences+
MATH 2091-6 Special Topics in Mathematics
MATH 2103 Discrete Mathematics+
MATH 2973 Introduction to Ordinary Differential Equations+
PHYS 2401 General Physics Laboratory I+
PHYS 2411 General Physics Laboratory II+
PHYS 2434 Physics I for Engineering & Science Majors+
PHYS 2444 Physics II for Engineering & Science Majors+

Suggested Order of Enrollment

This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the STEM division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
MATH 1914 Differential & Integral Calculus I+ Program Elective 3 additional hours	MATH 2924 Differential & Integral Calculus II+ Program Elective 3 additional hours
3rd Semester	**4th Semester**
MATH 2934 Differential & Integral Calculus III+ Program Elective 6 additional hours	Program Elective 6 additional hours

Physics Associate in Science Degree
(62 Credit Hours Minimum)

Program Goals & Outcomes
The Associate in Science Degree Program provides students with the analytical skills and scientific knowledge to expand and apply critical thinking to all facets of learning. The expected Program outcome is to provide a comprehensive lower-division education for students who plan to transfer to a baccalaureate degree program.

Upon completion, graduates will be able to:

1. Demonstrate both conceptual and analytical understanding of physics within courses commensurate to appropriate mathematical levels;
2. Apply and develop scientific methodologies utilized in physics to support critical thinking, scientific reasoning, mathematical and physical modeling, experimental proficiency, measuring techniques, and quantitative analysis;
3. Develop a technical, conceptual, and analytical foundation of applied mathematics and physics to support careers related to the physical sciences, engineering, and many other technical areas; and
4. Successfully transfer to a baccalaureate degree program that requires meaningful coursework within physics and interconnected topics.

Note
Students in the program must complete courses listed in Program Requirements and Program Electives sections with a minimum grade of “C” in each course in order to receive the Associate in Science Degree.

Degree Awarded
Associate in Science

Contact Information
STEM Division Advisor
(405) 736-0280

Physics Program Coordinator
Professor James Gilbert, ET 211
Jgilbert@rose.edu
(405) 733-7591

Physics Associate in Science Degree
(62 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (8 hours)–one must include lab		
*CHEM 1135 General College Chemistry I+		
See Science Electives on next page.		
Humanities (6 hours)–See courses listed in the RSC Academic Catalog.		
Mathematics (8 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
*MATH 1914 Differential & Integral Calculus I+		
MATH 2924 Differential & Integral Calculus II+		
Liberal Arts (3 hours)–See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (10 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
PHYS 2401 General Physics Laboratory I+		
PHYS 2411 General Physics Laboratory II+		
PHYS 2434 Physics I for Engineering & Science Majors+		
PHYS 2444 Physics II for Engineering & Science Majors+		

PROGRAM ELECTIVES (15 hours)		
Students must earn a "C" or better in these courses to be eligible for graduation.		
See Program Electives on next page.		

+Check course description for prerequisites that must be met.
***Students may meet prerequisite requirements for CHEM 1135 and MATH 1914 through high school coursework, entrance exams, or exams, or by completing the prerequisite courses.**

Physics Associate in Science Degree
(62 Credit Hours Minimum)

Science Electives
BIOL 1124 General Biology I
BIOL 1134 General Biology II+
CHEM 1145 General College Chemistry II+
GEOL 1114 Physical Geology+
PHYS 2414 General Physics I+
PHYS 2424 General Physics II+
PHYS 2502 Advanced Physics Laboratory+
PHYS 2943 Modern Physics for Engineers+

Program Electives
BIOL 1124 General Biology I
BIOL 1134 General Biology II+
CHEM 1145 General College Chemistry II+
CIT 1123 Visual Basic®+
CIT 1173 C++® Language+
CIT 1203 Script Programming+
CIT 2173 Windows® Programming in C++®.NET+
ENGR 2103 Statics+
ENGR 2113 Dynamics+
ENGR 2133 Strength of Materials+
ENGR 2213 Electrical Science+
ENGR 2233 Fluid Mechanics+
ENGR 2313 Engineering Thermodynamics+
GEOL 1114 Physical Geology+
MATH 2083 Introduction to Statistics for Engineering and Sciences+
MATH 2103 Discrete Mathematics+
MATH 2934 Differential & Integral Calculus III+
MATH 2973 Introduction to Ordinary Differential Equations+
PHYS 2502 Advanced Physics Laboratory+
PHYS 2943 Modern Physics for Engineers+

Suggested Order of Enrollment
This plan shows one possible grouping of Program Requirements, and their prerequisite courses, that would allow students to graduate in 2 years. Students must enroll in a combination of General Education and Program Requirements to complete the degree. Consult with the Engineering and Science division advisor each semester to verify that selected courses will fulfill degree requirements. Check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Semester	2nd Semester
CHEM 1135 General College Chemistry I+ MATH 1914 Differential & Integral Calculus I+ Program Elective Science Elective	MATH 2924 Differential & Integral Calculus II+ PHYS 2401 General Physics Laboratory I+ PHYS 2434 Physics I for Engineering & Science Majors+ Program Electives
3rd Semester	**4th Semester**
PHYS 2411 General Physics Laboratory II+ PHYS 2444 Physics II for Engineering & Science Majors+ Program Electives	Program Electives

Academic Outreach Division

Programs

Associate in Arts Degrees, Emphases

Enterprise Development

Aviation Emphasis
Reach Higher Emphasis

Enterprise Development Associate in Arts Degree Aviation Emphasis (60 credit hours minimum)

Program Goals & Outcomes

The goal of the Enterprise Development Associate in Arts Degree, Aviation Emphasis, is to provide students enrolled in the Aviation Alliance at Tinker Air Force Base an avenue to complete a transfer degree program. Aviation coursework is offered collaboratively by Oklahoma City Community College, Oklahoma State University-Oklahoma City, and Rose State College.

Specific objectives provide students with:

1. A broad background of general education with a concentration in aviation; and
2. A basic general education foundation of English, history, government, science, math, and liberal arts appropriate for students transferring to a 4-year institution.

Students in the program must complete courses listed in Program Requirements with a minimum grade of "C" in each course in order to receive the Associate in Arts Degree. Through the Aviation Alliance at Tinker Air Force Base, Langston University and the University of Oklahoma offer the baccalaureate degree program.

Note

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree.

Program Eligibility

18 hours of college credit
2.0 cumulative GPA
Developmental work completed

Program Outcomes Assessment

The Program Requirements contain all of the competencies needed for all Enterprise Development graduates. Successful completion of these courses, with a grade of “C” or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Terrance Grayson
(405) 736-0350
tgrayson@rose.edu

Enterprise Development Associate in Arts Degree
Aviation Emphasis (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (23 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

Courses must be 1000 level or higher. Following a course-by-course evaluation, Rose State College may apply up to a maximum of 27 credit hours for a student's previous military aviation instruction or FAA Airframe and Powerplant License/Certification.

+Check course description for prerequisites that must be met.

Enterprise Development Associate in Arts Degree Aviation Emphasis (60 credit hours minimum)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives

Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Enterprise Development Associate in Arts Degree Reach Higher Emphasis (60 credit hours minimum)

Program Goals & Outcomes

The purpose of the Enterprise Development Associate in Arts Degree, Reach Higher Emphasis, is to provide a multi-disciplinary associates degree completion program that is adult-friendly in delivery, format, and accessibility, as well as flexible in the development of a coherent sequence of courses individualized and relevant to students' learning and career goals.

Note

Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree.

Program Eligibility

18 hours of college credit
2.0 cumulative GPA
Developmental work completed

Program Outcomes Assessment

The Program Requirements contain all of the competencies needed for all Social Science graduates. Successful completion of these courses, with a grade of "C" or better, will demonstrate mastery of those competencies.

Degree Awarded

Associate in Arts

Contact Information

Terrance Grayson
(405) 736-0350
tgrayson@rose.edu

Enterprise Development Associate in Arts Degree Reach Higher Emphasis (60 credit hours minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (6 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours)–one must include lab		
See Science Electives on next page.		
Humanities (6 hours)		
See courses listed in the RSC Academic Catalog.		
Mathematics (3 hours)		
See Mathematics Electives on next page.		
Liberal Arts (3 hours)		
See courses listed in the RSC Academic Catalog.		
General Education Electives (6 hours minimum)		
See courses listed in the RSC Academic Catalog.		

PROGRAM REQUIREMENTS (23 hours)

Students must earn a "C" or better in these courses to be eligible for graduation.

Courses must be 1000 level or higher. No course number may be duplicated without approval of the Division Dean. No activity Courses allowed; lecture only.

+Check course description for prerequisites that must be met.

Enterprise Development Associate in Arts Degree Reach Higher Emphasis (60 credit hours minimum)

Science Electives

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS

Mathematics Electives

Any MATH course which is at least 1000 level or higher except MATH 2013, MATH 2023, & MATH 2033

Workforce Development

Programs

Associate in Science Degree

Artificial Intelligence & Machine Learning Technologies

Artificial Intelligence & Machine Learning Technologies Associate in Science Degree (64 Credit Hours Minimum)

Program Goals & Outcomes

The Artificial Intelligence/Machine Learning includes the following goals and objectives:

1. Students will deploy artificial intelligence principles or methodologies;
2. Students will apply fundamental machine learning algorithms and techniques;
3. Students will analyze natural language data; and
4. Students will deploy basic computer vision solutions.

Program Outcomes

Students will be employable in the area of AI.

Degree Awarded

Associate in Science

Contact Information

Workforce Development
(405) 733-7488

Artificial Intelligence & Machine Learning Technologies Associate in Science Degree (64 Credit Hours Minimum)

GENERAL EDUCATION REQUIREMENTS (37 hours min.)	SEMESTER COMPLETED	GRADE/CREDIT HRS.
English Composition (9 hours)		
ENGL 1113 English Composition I+		
ENGL 1213 English Composition II+		
ENGL 2053 Technical Report Writing+		
U.S. History/U.S. Government (6 hours)		
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877		
POLS 1113 American Federal Government		
Sciences (7 hours) - one must include lab **Students must earn a "C" or better in these courses to be eligible for graduation.** See Science electives on next page.		
Humanities (3 hours minimum)		
PHIL 2113 Introduction to Logic & Critical Thinking+		
Mathematics (9 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
MATH 1513 College Algebra+		
MATH 2103 Discrete Math+		
MATH 2083 Introduction to Statistics for Engineering & Sciences+		
Liberal Arts (3 hours)		
PHIL 2603 Ethics of Data Science+		

PROGRAM REQUIREMENTS (27 hours) **Students must earn a "C" or better in these courses to be eligible for graduation.**		
AIML 1003 Artificial Intelligence Thinking		
AIML 1013 Machine Learning Foundations		
AIML 2003 Introduction to Natural Language Processing		
AIML 2013 Introduction to Computer Vision		
CIT 1113 Fundamentals of Programming Logic		
CIT 1203 Script Programming+		
CIT 1613 Introduction to Java® Programming+		
CIT 2013 Database Theory and Design		
CIT 2433 Cloud+ Certification Preparation		

Artificial Intelligence & Machine Learning Technologies Associate in Science Degree (64 Credit Hours Minimum)

General Education Electives for Science

HSBC 1104, HSBC 1224, HSBC 2103, HSBC 2114, GEOG 1114, or any course with the following prefixes: ASTR, BIOL, CHEM, ENSC, GEOL, METR, PHSC, or PHYS.

Suggested Order of Enrollment

The following courses should be taken in the sequence indicated. Students should enroll in a combination of General Education Requirements and Program Requirements to complete the degree. Some courses are offered only once each year; some courses are offered only in the day; some courses are offered only in the evening; and summer course offerings vary. Therefore, check the RSC Academic Catalog and/or class schedule for course offering specifics. The "+" symbol represents a prerequisite for the course. Any course offering is subject to change without notice.

1st Fall Semester	1st Spring Semester
CIT 1113 Fundamentals of Programming General Education	General Education
Summer Semester	**2nd Fall Semester**
AIML	AIML

Course Descriptions

Arrangement: All course descriptions are arranged in alphabetical order by prefix (example: Accounting prefix, ACCT), then in numerical order. Prerequisites and lab fees are included as a part of the course description.

Course Numbering: The course numbers consist of 4 digits. The first digit indicates the level of the course: (0) Pre-collegiate, (1) freshman, (2) sophomore. The last digit indicates the number of semester hours of the course. The middle 2 digits identify the course within the department or subdivision. Example PSYC 1103, freshman-level course for 3 credit hours. Generally, 0-level courses do not apply toward a degree but are provided to address high school curricular requirements and to prepare students for college-level courses.

Lecture-Lab-Credit: Each course name is followed by a 3-digit sequence of numbers in parentheses, which indicates lecture hours, lab hours, and credit hours. For example, BIOL 2203 Biotechnology (1-4-3) meets 1 lecture hour and 4 lab hours each week in a 16-week session for 3 hours credit; double the number of class hours and the lab hours for a class in the 8-week session.

Accounting (ACCT)

ACCT 1123 College Accounting Procedures (3-0-3)
Sole proprietorship and corporation accounting procedures for both service and merchandising concerns, including the fundamental procedures for double-entry accounting, the accounting cycle, preparation of financial statements, accrual versus cash basis accounting, depreciation, and inventory cost flows. Lab fee: $10.

ACCT 2091-4 Special Topics in Accounting (Variable)
This course is designed to meet accounting application requirements and skill enhancements in industry and personal use. May be repeated for a maximum of 4 credit hours.

ACCT 2103 Financial Accounting (3-0-3)
An introduction to financial accounting concepts and principles, and the development of financial accounting information. The material is developed from the perspective of a user. Discussion will center on how users analyze and interpret financial information in the decision-making process. Lab fee: $10. Prerequisite: ACCT 1123 or equivalent.

ACCT 2191-3 Accounting Internship (Variable)
A supervised on-the-job training experience in an appropriate business, industry, government agency, or institution. Approved internships will meet part of the program requirements for the Associate in Applied Science degree. Prerequisites: ACCT 2103 and approval of Faculty Coordinator (or Accounting professor) and Accounting Chairperson.

ACCT 2203 Managerial Accounting (3-0-3)
Introduction to managerial accounting. Emphasis on cost behavior and its uses for both short- and long-term decisions; including the concept of the budget and standards for planning and performance evaluation. Specific coverage includes manufacturing costs and control, cost behavior, profit planning, break-even analysis, and the decision-making process. Lab fee: $10. Prerequisite: ACCT 2103.

ACCT 2313 Intermediate Accounting I (3-0-3)
An in-depth study of the following: cash, investments, receivables, inventories, plant and equipment, and intangible assets. Lab fee $10. Prerequisite: ACCT 2203 or concurrent enrollment.

ACCT 2323 Cost Accounting (3-0-3)
An in-depth study of basic cost principles, job order costing, process costing, accounting for materials, labor, and overhead costs. Lab fee: $10. Prerequisite: ACCT 2203 or concurrent enrollment.

ACCT 2333 Intermediate Accounting II (3-0-3)
An in-depth study of contingent and deferred liabilities, special activity affecting stockholders equity, and the preparation and analysis of the financial reports. Lab fee: $10. Prerequisite: ACCT 2313.

ACCT 2403 Personal Income Tax (3-0-3)
A brief sketch of federal income tax with emphasis on completing individual income tax returns including gross income, deductions for and from adjusted gross income, and tax credits. Lab fee: $10.

ACCT 2413 Small Business Income Tax (3-0-3)
An introduction to the requirements necessary to prepare federal income tax returns for small business, sole proprietorships, partnerships, S corporations, and corporations. Emphasis will be in the determination of the revenues, expenses, gross profit, and taxable income of small businesses and preparation and filing of the Federal Income Tax return. Lab fee: $10.

ACCT 2503 Payroll Accounting (3-0-3)
The course provides an understanding of the laws that affect a company's payroll structure and practical application skills in maintaining payroll records. Topics include: payroll tax laws, payroll tax forms, payroll and personnel records, computing wages and salaries, taxes affecting employees and employers, and analyzing and journalizing payroll transactions. Lab fee: $10. Prerequisite: ACCT 2103.

ACCT 2603 QuickBooks® Accounting (3-0-3)
This course covers the input of accounting data into the computer using Intuit QuickBooks® accounting software. Emphasis is on how accounting software processes information to obtain output of financial statements and fiscal year reports. Lab fee: $10. Prerequisite: ACCT 1123.

Accounting (ACCT), continued

ACCT 2723 Professional Bookkeeping (3-0-3)
This course prepares students for the National Bookkeepers Association's Uniform Bookkeeper Certification Examination. The course covers the level of knowledge and skill needed to carry out all key functions through the adjusted trial balance, including basic payroll and accounting for sales and purchases. Lab fee: $10. Prerequisite: ACCT 1123.

ACCT 2803 Excel® Accounting (3-0-3)
This course provides hands-on experience in accounting using Microsoft Excel®. The content includes creating data boxes in financial accounting, using multiple sheets with Excel formulas, preparing professional quality financial reports, creating graphs to interpret business results, and using Excel functions to evaluate accounting data. Lab fee: $10. Prerequisites: ACCT 2103 and CIT 1093 or equivalent.

Artificial Intelligence Machine Learning (AIML)

AIML 1003 Artificial Intelligence Thinking (3-0-3)
Artificial Intelligence (AI) has become an integral part of modern society, influencing various aspects of our lives. This course explores the fundamental principles and methodologies of AI, with a focus on developing critical thinking skills essential for understanding, analyzing, and engaging with AI technologies. Students will examine AI from multiple perspectives, including its historical development, ethical implications, and potential societal impacts. Through lectures, discussions, case studies, and hands-on projects, students will gain insights into the underlying concepts of AI and cultivate the ability to think critically about its applications and implications in the contemporary world.

AIML 1013 Machine Learning Foundations (3-0-3)
This course introduces machine learning including: supervised and unsupervised learning, prediction and classification, deep learning and neural nets and MLOPs. The course will focus on the applications of machine learning models to solve problems and the deployment and monitoring those models. Prerequisite: Successful completion of CIT 1173 or CIT 1613, MATH 1513, MATH 2213 & MATH 2083 with a grade of C or better.

AIML 2003 Introduction to Natural Language Processing (3-0-3)
This course introduces the foundational concepts, techniques, and applications of Natural Language Processing (NLP) within the context of Artificial Intelligence. Students will explore various approaches to processing and understanding human language, including syntax, semantics, and pragmatics. Emphasis will be placed on hands-on exercises and projects to reinforce theoretical knowledge. Prerequisite: Successful completion of AIML 1013 with a grade of C or better

AIML 2013 Introduction to Computer Vision (3-0-3)
This course offers an introduction to Computer Vision, a field of Artificial Intelligence focused on enabling computers to interpret and understand visual information from the world. Students will learn fundamental concepts, techniques, and applications in computer vision, including image processing, feature extraction, object detection, and image classification. Emphasis will be placed on hands-on projects to reinforce theoretical knowledge and develop practical skills in computer vision. Prerequisite: Successful completion of AIML 1013 with a grade of C or better.

Art (ART)

ART 1103 Art Appreciation (3-0-3)
A course designed to develop an awareness and appreciation of art through the study of art terms, artists, techniques, and cultures. May be taken as Humanities credit for General Education requirements. Open to non-art majors. Not open to art majors for elective credit.

ART 1113 Photography I (2-2-3)
Basic principles of photography. Includes instruction in camera controls, exposure controls, films, filters, flash, and composition. Lab includes instruction in the development and printing of black and white film. A fully adjustable 35mm camera is required. Lab fee: $15.

ART 1213 Drawing I (2-2-3)
A drawing course required for all majors and those students desiring concentrated drawing experiences in various problems to depict basic forms through natural forms. Line drawing, sketching approaches, value rendering and pictorial organization are featured using several dry drawing mediums. Lab fee: $15.

ART 1223 Drawing II (2-2-3)
A continuation of ART 1213 with further study of various types of subject matter with emphasis on dry and wet mediums, expansion of pictorial composition approaches to further develop traditional and personal expression in drawing. Required for all art majors and may be taken by the student interested in more drawing. Prerequisite: ART 1213 or equivalent. Lab fee: $15.

ART 1313 Fundamentals of Art (2-2-3)
This course will cover problems in 2-dimensional pictorial composition emphasizing the use of the basic elements: line, shape, space, texture, value, etc., and understanding and use of the basic principles: unity, balance, rhythm, contrast, emphasis, repetition, etc. A variety of mediums will be used to explore the use of these formal issues of arrangement and composition. Art, Graphic Design, Photography majors' requirement. Lab fee: $15.

ART 1323 Color I (2-2-3)
Color I is a study of color theories and perception and the application of color principles to a variety of design problems. Color mixing, composition, color harmonies, and rendering techniques through a variety of materials and mediums will be addressed. Knowledge of basic drawing and design is assumed. Required for all art majors. Lab fee: $15.

ART 2093 Special Topics in Art (3-0-3)
This course provides the individual or group as designated by the professor opportunity to pursue topics considered advanced study beyond those presented in regular required and recommended elective courses in art. May be repeated

Art (ART), continued

with change of content. Maximum credit up to 12 hours is allowed. Offered as professor's schedule permits. Basic knowledge is assumed. Student must meet with the professor within the first week of the semester.

ART 2123 Photography II (2-2-3)
Study of the use of various developers and films for unusual effects. Includes instruction in enlarger controls, print retouching, and print mounting. A fully adjustable 35mm camera is required. Course focuses on black and white photography. Lab fee: $15. Prerequisite: ART 1113 or equivalent.

ART 2413 Survey of Art, Technology, & Culture (3-0-3)
Survey of Art, Technology, and Culture supplies students with an overview of a variety of contemporary art and new media practices as they intersect with uses of technology including 3D printing, digital video and photography, virtual art, and microcomputers. Students receive instruction in artistic themes and methods including considerations of linear and non-linear time, site specificity, intersections of art and science, installation art, and ephemeral works. Students produce projects using the ideas and techniques addressed through class lectures and demonstrations. Prerequisite: ART 1313.

ART 2513 Painting I (2-2-3)
Composition and fundamentals of painting with acrylics and/or oils. Emphasis on awareness of contemporary approaches to techniques and styles with application of the elements of art. Strengthen and enhance individual student expression and visual problem-solving skills. Lab fee: $15. Prerequisite: ART 1213 and ART 1323, or equivalent.

ART 2523 Painting II (2-2-3)
A continuation of ART 2513 with emphasis on contemporary approaches in techniques and styles working in acrylic and oil paints. Knowledge of basic drawing and design assumed. A continued use of the elements of art and the principles of design. Lab fee: $15. Prerequisite: ART 2513 or equivalent.

ART 2713 Independent Studies in Art (3-0-3)
This course provides the individual or group as designated by the professor opportunity to pursue topics considered advanced study beyond those presented in regular required and recommended elective courses in art. May be repeated with change of content. Maximum credit up to 12 hours is allowed. Offered as professor's schedule permits. Basic knowledge is assumed. Student must meet with the professor within the first week of the semester.

ART 2813 Survey of Art History I (3-0-3)
This course is a study of the arts, artists, and their cultures from Prehistoric through the 14th century through various parts of the world. Required for art majors. Open to any interested students. Approved as Humanities credit for General Education requirements.

ART 2823 Survey of Art History II (3-0-3)
This course is a study of the visual arts, artists, and cultures from the 14th century to the 21st Century through out various parts of the world. Required for art majors. Open to any interested student. Approved as Humanities credit for General Education requirements.

ART 2893 Ceramics I (2-2-3)
An introductory course in hand-building methods, surface decoration, glazing, and firing in the production of ceramic objects. Basic wheel throwing will be reviewed. This course is highly recommended for art majors desiring a 3-dimensional art emphasis. Offers all students the opportunity to experience the discipline of craft and to explore the creative and expressive potential of the ceramic medium. Lab fee: $15.

ART 2902 Art Capstone (0-2-2)
This course evaluates a student's understanding and application of basic art foundation concepts and design principles. The student will be required to apply basic art foundation principles learned from required program courses to the development and completion of a serial project that will be developed under the guidance and direction of appropriate faculty. This project will act as an assessment tool to evaluate a student's basic art knowledge and skills as well as technique. Lab fee: $15. Prerequisites: ART 1313 and either ART 2813 or 2823; and 6 hours of Program Requirements.

ART 2912 Photography Capstone (0-2-2)
This course evaluates a student's understanding and application of basic technical and design principles of the photographic medium. The student will be required to apply technical and design principles learned from required program courses to the completion of a serial project developed under the guidance and direction of appropriate faculty. This project will act as an assessment tool to evaluate the student's basic photographic skills and knowledge as well as application. Prerequisites: ART 1113, ART 2123, and 6 hours of Program Requirements.

Aviation (AVI)

AVI 1011 Flight Safety (1-0-1)
Student studies material necessary for safe conduct of flight, emergency preparedness, and survival of emergency landings.

AVI 1014 Private Pilot Ground School (4-0-4)
The student studies aerodynamics, flight instruments, navigation, meteorology, weight and balance, and physiology as the topics relate to obtaining a Federal Aviation Administration private pilot license. Students may take the FAA Private Pilot written knowledge exam upon completion of this course.

AVI 1025 Private Pilot Flight Training (2-6-5)
This flight training course is in accordance with Part 61 of the Federal Aviation Regulations. Dual instruction and supervised solo flight practice are conducted by professors certified by the Federal Aviation Administration. Students may elect to make their own arrangements for training aircraft and instruction; or for a special fee, Rose State College will select

Aviation (AVI), continued

an approved vendor who will provide the required training. Training provided through Rose State College will include 25 hours dual, 20 hours solo, and 1.5 hours for FAA Flight Exam (46 1/2 hours total). All expenses beyond the above flight and instructional times must be borne by the student. Prerequisites: AVI 1014 or concurrent enrollment, FAA Class III Aviation Medical Certificate and permission of professor.

AVI 1134 Commercial Pilot Flight Training I (2-4-4)
This flight training course is in accordance with Part 61 of the Federal Aviation Regulations. This is approximately half of the flight training required to prepare a pilot to take the Federal Aviation Administration flight test for the Commercial Pilot-Airplane (Single-Engine Land) Rating. This course, followed by AVI 2332, is an integral package of training leading to the Commercial Pilot-Airplane (Single-Engine Land) Rating. Students may elect to make their own arrangements for all of this package; or, for a special fee, Rose State College will select an approved vendor who will provide the required training and flight testing for the entire integrated package. Students may not elect to have Rose State College provide only a part of this 2-course package. All expenses beyond the above flight and instructional times must be borne by the student. Prerequisites: AVI 1025 or concurrent enrollment and FAA Class II Medical Certificate.

AVI 1313 Introduction to UAS Operations (3-0-3)
This course provides an introduction to small unmanned aircraft system (sUAS) operations with an emphasis on civil applications. Students explore safety considerations, sUAS components and functions, regulatory requirements, weather considerations, mission planning, operational considerations, photography, and videography basics, and photogrammetry (mapping). The course also prepares students to take the FAA Unmanned Aircraft General (UAG) Knowledge Test and earn their Remote Pilot (Part 107) Certificate. As the FAA sets minimum eligibility requirements for this certificate, students of this class must be at least 16 years old; be able to read, speak, write, and understand English; and be in a physical and mental condition to safely fly a drone.

AVI 2033 Aviation Law (3-0-3)
A study of the development of aviation law, through enactment of laws and judicial decisions applying those laws. Responsibilities and liabilities of public and private air carriers. Local, federal, and international laws forming the present legal structure and possible future changes.

AVI 2091-6 Special Topics in Aviation (Variable)
A directed individual or class study of special topics in aviation. May be repeated twice with different topics Lab fee: $10. Permission of professor required.

AVI 2123 Aviation History (3-0-3)
This course chronicles the history of aviation through an in-depth study of powered flight and focus on the development of civil, commercial, and military aviation. Covers significant events and people throughout aviation history from the first powered flight through present day developments and a brief look into the future. Also examines the impact of aviation on recreation, transportation, warfare, and exploration. This course is cross-listed with HIST 2123.

AVI 2134 Aviation Management (3-2-4)
Business principles and practices applicable to the broad field of general aviation. Will include a brief overview of the development of the aviation industry and its management principles, functions, and practices as they relate to the smaller type of general aviation business. Will also include on-site observation and evaluation of fixed base operations to allow the student the opportunity to relate academic study to actual business practice. Prerequisite: MGMT 2103 or equivalent.

AVI 2233 Aircraft Powerplants & Related Systems (3-0-3)
This course is designed to provide those wishing to become professional pilots an understanding of the theory and operating principles of reciprocating and gas-turbine engines and related systems used on power aircraft. This course is pilot-oriented; maintenance, testing, and inspection are not addressed. Prerequisite: AVI 1014 or equivalent.

AVI 2243 Commercial Pilot Ground School (3-0-3)
The student will obtain the aeronautical knowledge and meet the ground training requirements specified in 14 CFR Part 61 for the FAA Commercial Pilot Airplane knowledge exam. Additionally, the student will be introduced to the concepts of flying safety, professionalism, and decision making necessary to become a safe and competent commercial pilot. Prerequisite: AVI 1014 or Federal Aviation Administration Private Pilot Certificate

AVI 2332 Commercial Pilot Flight Training II (1-3-2)
This flight training course is in accordance with Part 61 of the Federal Aviation Regulations. This is the second half of an integrated flying package which prepares a pilot to take the Federal Aviation Administration flight test for the Commercial Pilot-Airplane (Single-Engine Land) Rating. Students may elect to make their own arrangements for all of the flight training in courses AVI 1134 and AVI 2332; or, for a special fee, Rose State College will select an approved vendor who will provide the required training and flight testing for the entire integrated package. Students may not elect to have Rose State College provide only a part of this 2-course package. All expenses beyond the above flight and instructional times must be borne by the student. Prerequisites: AVI 1134, AVI 2243, AVI 2433, and AVI 2233 or concurrent enrollment, and FAA Class II Aviation Medical Certificate.

AVI 2414 Instrument Pilot Ground School (4-0-4)
The student studies instrument procedures, en route structure, approach charts, weather and flight planning for Federal Aviation Administration instrument flight, and may take the written knowledge exam for the FAA Instrument Rating upon completion of course. Prerequisite: AVI 1014 or FAA Private Pilot Certificate (minimum).

AVI 2424 Basic Instrument Flight Simulation (3-2-4)
This course provides the VFR qualified pilot with the knowledge and practice in fundamental aircraft control and navigation, solely by reference to the aircraft's instrumentation. Classroom lectures, individual tutoring, 12 hours dual simulator instruction, and 16 hours of solo simulator practice provide a firm base for subsequent training in actual flight conditions. Prerequisites: Federal Aviation Administration Private Pilot Certificate and permission of AVI Coordinator.

Aviation (AVI), continued

AVI 2433 Navigation & Instrument Flight (3-0-3)
A study in flight preparation ranging from simple pilotage, dead-reckoning, etc., to advanced all-weather, high-altitude, and extended-range operations. Emphasis is placed on achieving optimum performance through the enlightened use of manufacturer's flight planning data and efficient route planning. Prerequisite: AVI 1014.

AVI 2442 Advanced Simulator (1-2-2)
This is a follow-up course to AVI 2424. It introduces instrument approaches to landing and all facets of instrument flight in the low altitude structure. Individual tutoring, 12 hours dual simulator instruction and 16 hours solo simulator practice provide the student with Federal Aviation Administration-approved instruction. Standards for completion are the same as for the instrument flight exam. Course may be repeated twice, once with concurrent enrollment in AVI 1134 or AVI 2332 and once with concurrent enrollment in AVI 2443. Prerequisite: AVI 2424 or FAA Instrument Rating.

AVI 2443 Instrument Flight Training (1-4-3)
This flight training course is in accordance with Part 61 of the Federal Aviation Regulations. It presumes that the student will have satisfied 20 of the required 40 hours of dual flight instruction in the Rose State College instrument flight simulator courses. Therefore, the student who wishes Rose State College to provide the training, for a special fee, will receive 40 hours solo cross-country flight time and 20 hours of dual flight instruction, plus 2.5 hours allotment for an Federal Aviation Administration flight test, and 10 hours of "solo" simulator time. Students may elect to obtain the required training, testing, and simulator time (as needed) from any authorized source without paying Rose State College any special fee. Prerequisites: AVI 1025 or concurrent enrollment; FAA Class III Aviation Medical Certificate; and permission of professor.

AVI 2613 Aviation Safety (3-0-3)
This course will examine all aspects of accidents/incidents involving airline and general aviation flights, including human factors, weather, aircraft crashworthiness, accident investigation, and aviation safety programs. It examines those areas from the prespective of pilots, crew members, air traffic controllers and National Transportation Safety Board (NTSB) findings. Each accident/incident is studied with the goal of determining what went wrong and risk management lessons that can be learned in preventing future accident/incidents.

AVI 2712 A/P General License (2-0-2)
This course prepares the student who has met appropriate experience requirements to take the Federal Aviation Administration Airframe/Powerplant General written exam. This course will also provide the pilot or airport manager foundation knowledge concerning the maintenance of aircraft and the governing FAA regulations. Students should contact the FAA Flight Standards District Office for an endorsement to take the written exam.

AVI 2714 A/P Airframe License (4-0-4)
This course covers the practices, procedures, materials, techniques and governing Federal Aviation Administration regulations that apply to the repair and maintenance of the airframe of an aircraft. This course prepares the student who has met appropriate experience requirements to take the FAA Airframe written exam. Students should contact FAA Flight Standards District Office for an endorsement to take the written exam.

AVI 2724 A/P Powerplant License (4-0-4)
This course covers the practices, procedures, materials, techniques, and governing Federal Aviation Administration regulations that apply to the repair and maintenance of aircraft engines (powerplants). This course prepares the student who has met appropriate experience requirements to take the FAA Powerplant written exam. Students should contact FAA Flight Standards District Office for an endorsement to take the written exam.

Business Administration (BA)

BA 1103 Business Math (3-0-3)
This course is designed to give a brief overview of the fundamental operations of arithmetic; common and decimal fractions; and percentages. Application of those fundamental operations to cash and trade discounts, merchandising, simple and compound interest, depreciation, and credit is studied. For those students who consider their academic preparation in mathematics to be lacking, we recommend that those students enroll in MATH 0124 prior to this course. Prerequisite: none (but MATH 0124 suggested).

BA 1303 Introduction to Business (3-0-3)
An introductory course for students specializing in business fields; survey of basic principles, forms, and practices involved in administration of the business firm in the American economy.

BA 1403 Business English (3-0-3)
A course designed to provide intensive concentration on the principles of spelling, punctuation, capitalization, word forms, sentence structure, and proofreading, particularly as they apply to business.

BA 2091-4 Special Topics in Business (Variable)
Selected topic(s) from one of the subject areas offered by the Business Division. May be repeated for up to a total of 4 credit hours. Permission of Division Dean and 3 courses in the major area as determined by the nature of the program of study required.

BA 2191-4 Business Administration Internship (Variable)
A supervised on-the-job training experience in an appropriate business, industry, government agency, or institution. Approved internships will meet part of the Program

Business Administration (BA), continued

Requirements for the Associate in Applied Science degree. May be repeated for up to 4 hours of credit. Prerequisites: Approval of Business Division Dean and employer.

BA 2203 Business Law I (3-0-3)
A study of the general principles of the law of contracts, agencies, torts, bailments, corporate organizations, and employer-employee relationships. The student will be introduced to the concepts of legal processes, tort law, and contract law sufficiently to successfully navigate the legal landscape of operating or working in a business environment.

BA 2413 Business Ethics (3-0-3)
This course is designed to explore aspects of business ethics; such as, sources of American business ethics, traditional business practices, and anticipated future trends. Developers of moral and ethical concepts and their various philosophies are investigated as related to corporate culture. Case studies involving real world situations are used to apply concepts.

BA 2503 Business Communication (3-0-3)
This course is designed to prepare students to write genres specific to business, deliver oral presentations, and develop interpersonal skills. Critical thinking and problem-solving skills are emphasized. Development of these skills is integrated with the use of technology.

BA 2513 Human Relations in Business (3-0-3)
Human Relations in Business deals with the complexities of human behavior as exhibited in an organizational environment and demonstrates how the success or failure of individual, group, and organizational goals is dependent upon effective work groups.

BA 2523 Problem Solving in Business (3-0-3)
This course is designed to teach individuals how to develop and utilize crucial problem-solving techniques. Included in this in-depth study are practical applications involving conceptual models, assessment instruments, research findings, and case studies.

BA 2603 Starting Your Own Business (3-0-3)
An introductory course designed for individuals interested in starting their own business. Emphasis is placed on developing and implementing a practical business plan, assessing the pros and cons of alternative forms of business, and identifying potential sources of financing.

BA 2703 Training and Development (3-0-3)
A course to develop and administer training programs for profit and nonprofit organizations. Emphasis is placed on identifying training needs, developing effective training programs, preparing training leader guides, acquiring presentation skills, and administering the training department in an efficient and effective manner.

BA 2713 Labor-Management Relations (3-0-3)
An introduction to the historical and legal aspects of the labor-management relationship. This course will include various elements of labor laws, administrative regulations, collective bargaining, grievance resolution, discipline procedures, and union agreements as related to human resource management.

BA 2723 Legal Aspects of Employment (3-0-3)
An in-depth view of the legal concepts as they relate to employment. This course provides the student with a comprehensive study of equal employment opportunity legislation, enforcement agencies, affirmative action plans, court-ordered remedies, and employee assistance programs as related to human resource management.

BA 2733 Employee Coaching & Counseling (3-0-3)
A course to prepare students to identify, examine, and resolve employee performance problems through effective coaching and counseling techniques. Emphasis is placed on team building, conflict resolution, and the learning process. Students will apply the methods learned in class by participating in practice counseling interviews.

BA 2743 Recruitment & Interviewing (3-0-3)
A study of effective methods of identifying and selecting employment candidates to meet an organization's future human resource needs. Emphasis is placed on the development of employment screening and selection interview skills. In addition to textbook theory, the student will develop a model recruitment program and conduct mock interviews.

BA 2793 Compensation (3-0-3)
A study of the various methods of establishing and maintaining effective compensation systems, employee benefit programs, and personnel records. This course will prepare the student to assess the current competitive employment market and to design effective pay scales, fringe benefit packages, and human resource information systems.

BA 3001 Employment Orientation (1-0-1)
Provides comprehensive and valuable skills that are needed to successfully secure employment, specializing in the office technology industry. Designed to examine the continuous process of career/life planning through effective, well-planned and efficiently organized job search procedures.

Biological Sciences (BIOL)

BIOL 1001 Biological Concepts (1-0-1)
A basic introduction to biological concepts including scientific inquiry, living organisms, macromolecules and cell structure. Common and useful tools for studying science will also be reviewed.

BIOL 1093 Field Studies in Natural History (1-2-3)
Field studies of biological sciences throughout various regions around the world. Studies will cover the systematics, ecology, physiology and morphology of the taxonomic groups represented by plant, fungi and animal species encountered in the region of study. Emphasis will also be placed on each species' specific adaptations to the physical environment. Regional geology, paleontology, paleogeography, soils, geomorphology, and geological processes are discussed in relation to evolutionary process. Additional expenses will be required.

BIOL 1114 Introduction to Biology (3-2-4)
Designed for non-science majors. This course is designed to give non-science majors a general view of life science with an emphasis on current issues. This course includes the nature of science, cells, cell growth, molecular genetics, cellular reproduction, heredity, and selected topics and issues concerning the human body. Lab fee: $15.

BIOL 1124 General Biology I (3-2-4)
Designed for Science majors. This course includes a study of inorganic chemistry and biochemistry; cells; biochemical processes; cellular reproduction; molecular genetics; heredity; evolution; selected plant and animal systems and ecology. Lab fee: $15.

BIOL 1134 General Biology II (3-2-4)
Designed for science majors, this second semester General Biology I course explores the diversity, adaptations, and evolutionary relationships of living things on earth including bacteria, protists, fungi, plants, and animals. Emphasis is also placed in the morphology, reproduction, development, nutrition, transport, and regulation of plants and animals. Lab fee: $15. Prerequisite: BIOL 1124.

BIOL 1215 General Botany (4-3-5)
General plant study dealing with the structure and function of plant parts as well as classification, life cycles, genetics, and ecological relationships. Lab fee: $15.

BIOL 1315 General Zoology (4-3-5)
General animal study dealing with the structures, functions, characteristics, life histories, and habits of members of the animal kingdom. Lab fee: $15.

BIOL 2035 Principles of Microbiology (3-4-5)
An introductory study of the biology of the lower organisms with an emphasis on characteristics, cultivation, identification and diseases associated with bacteria, viruses, fungi, and protozoa. Cell biology, cellular metabolism, molecular genetics, immunology, and host-parasite relations are included. Lab fee: $15. Prerequisites: CHEM 1114 and BIOL 1124.

BIOL 2091-6 Special Topics in Biology (Variable)
Directed individual study of special topics and special courses in life science. To offer special instruction in life science to technical personnel of area companies or agencies and to other select groups of the community.

BIOL 2103 Cell Biology (3-0-3)
The basic features of cells and methods of studying them. Elementary cellular chemistry, structures, and functions of cellular organelles; cellular mechanisms of reproduction and differentiation. Prerequisites: BIOL 1124 and CHEM 1114 or equivalent.

BIOL 2203 Biotechnology (1-4-3)
An introductory look at modern lab techniques involved with the investigation of molecular and cell biology. Emphasis on theory behind the procedures performed in the modern biotechnology lab and the practice of those techniques. Techniques of particular interest will be micro-level measurement, molecular extraction, quantification, gel electrophoresis, polymerase chain reaction, blotting techniques, high-throughput processes, and database mining. Lab fee: $15. Prerequisites: BIOL 1124 and CHEM 1114, Prerequisite/corequisite: BIOL 2103 or equivalent.

BIOL 2424 Human Physiology (3-3-4)
Functions of human organ systems in homeostasis. Includes circulation, digestion, endocrine and nervous control, kidney function, metabolism, muscle action, male and female reproductive systems, and respiratory. Lab fee: $15. Prerequisites: CHEM 1114 and BIOL 1124 or HSBC 2114.

Chemistry (CHEM)

NOTE: Rose State College is committed to the academic success of its students. Appropriate placement is a vital element to each student's success. A student's placement scores (within 3 years) through high school GPA, ACT, SAT, or Next Generation ACCUPLACER adequately determine college-level readiness as well as the ability to exhibit skills in performing various math competencies. These math competencies are fundamental to success in chemistry.

CHEM 0141 Introduction to Chemistry Studio (1-0-1)
This course is meant for students who are enrolled in CHEM 1114, Introductory Chemistry, but with placement exam scores which indicate supplemental work on math and chemistry would help them be successful in the college level course. Prerequisite: MATH 0144 or equivalent.

CHEM 1114 Introductory Chemistry (3-3-4)
A one-semester course designed primarily for students who wish to obtain a general knowledge of the fundamental principles of inorganic chemistry. Lab fee: $15. Prerequisite: MATH 0144 or equivalent.

CHEM 1124 Introductory Organic & Biochemistry (3-3-4)
A course designed principally for the student whose major interest is in one of the health-related fields. It will include an introduction to the principles of organic chemistry of significance to biology and to compounds and reactions of physiological importance. Lab fee: $15. Prerequisites: CHEM 1114 or CHEM 1135, or equivalent.

CHEM 1135 General College Chemistry I (3-5-5)
This course deals with the fundamental laws and theory of chemistry, together with a study of the elements and important compounds. Lab fee: $15. Prerequisites: High school chemistry with a "C" or better or CHEM 1114. Corequisite MATH 1513 or equivalent.

CHEM 1145 General College Chemistry II (3-5-5)
This course is a continuation of CHEM 1135 and includes equilibrium, kinetics, thermodynamics, electrochemistry, qualitative analysis, and other selected topics. Lab fee: $15. Prerequisite: CHEM 1135 or CHEM 1225, or equivalent; and MATH 1513 or equivalent.

CHEM 1225 Chemistry for Engineers (3-5-5)
A one-semester general chemistry survey course designed primarily for engineering students, with a particular focus on applications in materials, energy, and the environment relevant to engineers. Lab Fee: $15.00 Prerequisites: high school chemistry with a "C" or better or CHEM 1114; and MATH 1513 or equivalent.

CHEM 2091-6 Special Topics in Chemistry (Variable)
Directed individual study of special topics and special courses in chemistry designed to offer special instruction in chemistry to technical personnel of area companies or agencies and to other selected groups of the community.

CHEM 2103 Organic Chemistry I (3-0-3)
This course is the first semester of a 2-semester integrated sequence for science majors and preprofessional students. CHEM 2103 is intended to accompany CHEM 2112. Intended to introduce students to fundamental concepts of structure, stereochemistry, selected functional groups, nomenclature, properties, reactivity, mechanisms, and spectroscopy related to hydrocarbons and their derivatives. Lab fee: $10. Prerequisite: CHEM 1145.

CHEM 2112 Organic Chemistry I Laboratory (1-3-2)
This lab is an introduction to techniques utilized in organic chemistry. Emphasis is on isolation, purification and characterization of organic compounds. An introduction of gas chromatography and infrared spectroscopy is presented. The experiments are designed to complement the principles concurrently presented in the corresponding lecture class. Lab fee: $15. Prerequisites: CHEM 1145 and CHEM 2103, or concurrent enrollment in CHEM 2103.

CHEM 2115 Survey of Organic Chemistry (3-4-5)
A one-semester course in aliphatic, aromatic, and heterocyclic organic chemistry with an emphasis on functional groups, carbohydrates, proteins, vitamins, and drugs. Lab fee: $10. Prerequisite: CHEM 1145 or equivalent.

CHEM 2154 Quantitative Analysis (2-6-4)
Theory and practice of gravimetric and volumetric analysis and an introduction to instrumental methods of analytical chemistry. Lab fee: $10. Prerequisite: CHEM 1145 or equivalent.

CHEM 2203 Organic Chemistry II (3-0-3)
This course is the second semester of a 2-semester integrated sequence and should be taken the semester following enrollment in CHEM 2103. CHEM 2203 is intended to accompany CHEM 2212. Continues the development of the chemistry of functional groups with emphasis on aldehydes and ketones, carboxylic acids, amines, and phenols in both aliphatic and aromatic compounds then concludes with the introduction of biological molecules. Mechanisms and stereochemistry are emphasized. The application of spectroscopy is continued. Prerequisite: CHEM 2103.

CHEM 2212 Organic Chemistry II Laboratory (1-3-2)
This lab course is a continuation of techniques developed in CHEM 2112. Emphasis on spectroscopy, interpretation of spectra, qualitative analysis, and multi-step synthesis. The experiments are designed to complement the principles concurrently presented in the corresponding lecture class. Lab fee: $15. Prerequisites: CHEM 2103, CHEM 2112, and CHEM 2203 or concurrent enrollment in CHEM 2203.

Computer & Information Technology (CIT)

CIT 1093 Microcomputer Applications (3-0-3)
A study of the utilization of commercially available microcomputer software packages in small business information systems using the Windows® environment. Lab fee: $10.

CIT 1103 Introduction to Computers (3-0-3)
An introductory study of the computer industry, including the role of the computer in business and society, computer functions, processing techniques, programming languages, microcomputer systems and applications, data communications, and future trends. Lab fee: $10.

CIT 1113 Fundamentals of Programming Logic (3-0-3)
An introductory course in developing both procedural and object-oriented logic for problem solving, utilizing several program development tools and techniques, including traditional flowcharts, hierarchy charts, and pseudocode. Developed logic will be translated into simple script programs to introduce elementary programming techniques and to allow the student to see the relationship between logic tool output and finished source code. Fee: $10.

CIT 1123 Visual Basic® (3-0-3)
This course will provide students with experience in event-driven programming using the Microsoft Visual Basic® language to analyze and solve typical business problems. Flowcharting techniques will be used to provide instruction in object-oriented design logic. Lab fee: $10. Prerequisite: CIT 1113 or CIT 1613.

CIT 1173 C++® Language (3-0-3)
Fundamental concepts of the C++® programming language with emphasis on solving business-oriented problems. Lab fee: $10. Prerequisite: CIT 1113 or CIT 1613 or permission of instructor.

CIT 1203 Script Programming (3-0-3)
The student will be introduced to the Python language and provided an introductory look at Java Script. Lab fee $10. Prerequisite: CIT 1113 Fundamentals of Programming Logic.

CIT 1293 Oracle® (3-0-3)
A study of the principles, theory and practice of database management, and relational database application development. The course includes client/server concepts, relational concepts, database design and development techniques, integrated database applications, Structured Query Language (SQL™), creation of tables, queries, forms, reports, and graphs. Requires a running project. Lab fee: $10. Prerequisite: CIT 2013.

CIT 1503 Network+ Certification Preparation (3-0-3)
This course is an introductory course which covers the fundamental hardware and software concepts involved in a basic network. The standard open systems interconnect model, popular LAN topologies and network administration will be discussed. Lab fee: $10.

CIT 1523 Computer Hardware & Operating Systems (3-0-3)
This course will provide students with an introductory course covering computers and peripheral devices. A current operating system will also be presented. Understanding and utilizing hardware components and operating system software as a "system" will be stressed. Lab fee: $10.

CIT 1533 Principles of Cybersecurity (3-0-3)
The students will be introduced to the fundamentals of cyber security. Students will gain insight into the importance of cyber security, and the integral role of cyber security professionals. Lab fee: $10.

CIT 1613 Introduction to Java® Programming (3-0-3)
The student will learn the fundamentals of object-oriented programming using Java®. Students will study development of both object-based and object-oriented programs using Java® language features and the Java® Application Programming Interface (API). Lab fee: $10. Prerequisite: CIT 1113 or CIT 1203 or permission of professor.

CIT 1713 C#® (C Sharp) Programming (3-0-3)
An introductory-level course that presents Windows® and web application development using C#® programming language. Emphasis will be placed on core language elements, data types, logic structures and an introduction to the .NET Framework and its class library. Lab fee: $10. Prerequisite: CIT 1113 or CIT 1173 or CIT 1613 or permission of professor.

CIT 2013 Database Theory & Design (3-0-3)
A study of the principles and theory of database management. The course includes entity analysis, normal forms, relational versus other databases, and elementary database implementation using a DBMS. This course requires a running project. Lab fee: $10.

CIT 2053 Network Administration (3-0-3)
This course covers installation of hardware and software, network protocols, devices and drivers, file systems and storage, group policy, printers, security and remote access. Lab fee: $10.

CIT 2091-4 Selected Technical Topics (Variable)
This course is designed to meet computer application requirements and skill enhancements in industry and personal use. Prerequisite: Permission of dean/professor.

CIT 2103 Access® (3-0-3)
A study of the development of advanced solutions to typical business problems using Microsoft Access®. The course will concentrate on using the macro language and Visual Basic for Applications. Lab fee: $10.

CIT 2123 Advanced Visual Basic® (3-0-3)
This course will provide students with experience in real-world problem-solving using event-driven programming techniques with the Microsoft Visual Basic® programming language to manage information databases, graphics and other complex data formats. Object-oriented programming techniques and program code reusability will be emphasized. Lab fee: $10. Prerequisite: CIT 1123.

CIT 2143 Data Structures (3-0-3)
This course covers analysis and design of fundamental data structures and engages learners to use data structures as tools to algorithmically design efficient computer programs that will cope with the complexity of actual applications.

Computer & Information Technology (CIT), continued

The course focuses on basic and essential topics in data structures, including array-based lists, linked lists, hash tables, recursion, binary trees, scapegoat trees, red-black trees, heaps, sorting algorithms and graphs. Lab fee $10. Prerequisite: CIT 2613

CIT 2153 C Programming Language (3-0-3)
The student will learn the fundamentals of C language programming. Students will study development of structure and array-based programs with pointers and memory allocation using the C programming language. Lab Fee $10. Prerequisite: CIT 1173 or CIT 1613 or permission of professor.

CIT 2173 Windows® Programming in C++®NET (3-0-3)
This course will introduce students to Windows® application development in the C++® programming language in the .NET environment and to principles of object-oriented event-driven programming. Emphasis will be placed on basic approaches to development using the Microsoft Foundation Class (MFC) hierarchy and the tools available in the Microsoft Visual C++ integrated development environment. Students will review core object-oriented programming principles: classes and objects, information hiding, inheritance and polymorphism; then apply these principles to understanding MFC and to development of basic Windows applications. The course will cover dialog-based, single document interface (SDI) and multiple document interface (MDI) applications. Once basic applications are mastered, the course will turn to database applications and dynamic link libraries (DLL). Lab fee: $10. Prerequisite: CIT 1173.

CIT 2183 Advanced Database Design (3-0-3)
This course will include a study of the principles and theory of database management and design to include network hierarchical, and relational. Industry standard software applications such as SQL™ or Oracle® will be used to enforce the concepts learned. Lab fee: $10. Prerequisite: CIT 2103 or CIT 2013.

CIT 2191-3 Computer Information Technology Internship (Variable)
Supervised on-the-job training experience in an appropriate business, industry, government agency, or institution. Prerequisites: CIT 1533 and approval of Director and/or instructor.

CIT 2243 Unix®/Linux® (3-0-3)
An in-depth study is conducted of the Unix®/Linux® operating system and how these operating systems are incorporated in today's networks. Lab Fee: $10.

CIT 2313 Capstone Project (3-0-3)
This course provides the student with an opportunity to demonstrate skills in communicating content within his/her major. The student will utilize problem solving by developing a useful business project from problem definition through implementation. This project is finalized by a presentation accompanied by full documentation describing the project. Note: This course should be taken during the last semester. Lab fee: $10. Prerequisite: permission of professor.

CIT 2323 Security+ Certification Preparation (3-0-3)
The student will learn the fundamentals of network security. Students will study security design and development. Lab fee: $10.

CIT 2343 Routing (3-0-3)
Basic router components and configurations, troubleshooting connectivity problems and analysis of business operations based on specific network needs will be included in this in-depth study. Lab fee: $10. Prerequisite: CIT 1503.

CIT 2393 Structured Query Language (SQL™) (3-0-3)
The student will study the fundamentals of Structured Query Language (SQL™) syntax. Students will learn to interact with a relational database through the use of Data Manipulation language (DML) and Data Definition Language (DDL) statements. Lab fee: $10. Prerequisite: CIT 2103 or CIT 2013.

CIT 2423 Network Troubleshooting and Management Design (3-0-3)
This course will cover basic network troubleshooting approaches. Students will learn to isolate network problems and understand how network troubleshooting equipment is used. The student will be taught fault management, configuration management, performance management, security management, and accounting management. Lab fee: $10. Prerequisite: CIT 2053.

CIT 2433 Cloud+ Certification Preparation (3-0-3)
CompTIA Cloud+ validates the skills a student needs to maintain and optimize cloud infrastructure services. Cloud+ covers the increased diversity of knowledge, skills and abilities required of system administrators to validate what is necessary to perform effectively in data center jobs. Lab Fee: $10.

CIT 2513 Secure E-Commerce (3-0-3)
This course is an in-depth study of secure electronic commerce, cryptography, passwords, certification authorities, public key infrastructure, biometrics and digital signatures. Lab fee: $10. Prerequisite: CIT 1503 or permission of professor.

CIT 2523 Information Security Management (3-0-3)
This course examines managerial aspects of computer security and risk management for enterprises. The student will acquire information for accreditation, procurement, extension and operation principles for secure computing systems. Lab fee: $10. Prerequisite: CIT 1533.

CIT 2533 Ethics in Information Technology (3-0-3)
This course will examine the interactions of IT professionals with the organization, profession, and governmental agencies, including regulatory compliance monitoring, legal requirements, staff development and environmental conduct. Lab fee: $10.

CIT 2553 Digital Forensics (3-0-3)
Students will gain practical knowledge on how to conduct digital investigations and preserve evidence that stands up to inquiries. Lab Fee: $10. Prerequisite: CIT 1533.

Computer & Information Technology (CIT), continued

CIT 2563 Cryptography & Trusted Systems (3-0-3)
Students will be introduced to security problems in computing, basic encryption and decryption techniques. Secure encryption systems and cryptographic protocols and practices will also be presented. Lab fee: $10. Prerequisite: CIT 1533; successful completion of, or concurrent enrollment in CIT 1203; and successful completion of, or concurrent enrollment in, either MATH 1513 or MATH 1483.

CIT 2573 Secure System Administration/Certification (3-0-3)
Students will be exposed to provisioning, procurement and installation of network, hardware and software systems for mission critical enterprises. System configuration, maintenance, incident handling and response along with system certification, testing and validation will be covered. Lab fee: $10. Prerequisite: CIT 1533.

CIT 2583 Operating Systems (3-0-3)
This course will examine the fundamental concepts that are applicable to a variety of systems. Various systems that support threads at the kernel and user levels, symmetric multiprocessing and real-time scheduling will be included in the topic manner. Lab fee: $10. Prerequisites: CIT 1523, CIT 1613, and MATH 1513.

CIT 2603 Ethical Hacking & Systems Defense (3-0-3)
This class covers best computer-security practices and industry standards to deter attacks and better defend networks. Lab fee: $10. Prerequisite: CIT 1533.

CIT 2613 Advanced Java® Programming (3-0-3)
This course is designed to provide students an in-depth look at Java® programming. The student will learn advanced topics in this object-oriented programming language. The student will also incorporate multimedia, networking and input/output techniques. Lab fee: $10. Prerequisite: CIT 1613 or CIT 1173 or CIT 1713 or permission of instructor.

CIT 2633 Enterprise Threat Assessment (3-0-3)
This course is designed to teach managers, executives, security and business continuity professionals, risk managers, compliance personnel, and enterprise threat program managers to develop strategies for protecting their organizations from security threats, and to better manage risks. Topics covered include the CERT Resilience Management Model (CERT-RMM), National Institute of Standards and Technology (NIST) SP800-18, NIST SP800-30, NIST SP 800-34, NIST SP 800-39, and enterprise threat assessment best practices. Lab fee: $10. Prerequisite: CIT 2523.

CIT 2643 Wireless Networks (3-0-3)
This course is a study of wireless networking. Management, design, deployment and security of Wireless Local Area Networks (WLANs) will be topics covered in this course. Lab fee: $10. Prerequisite: CIT 1503.

CIT 2673 Seminar in Unit Testing (3-0-3)
The student will learn the fundamentals of unit testing as part of software development. Focus will be on using the C# language and testing frameworks MSTest and NUnit. The course will cover object oriented programming in C#. Lab fee $10. Prerequisite: CIT 2613 or CIT 1713.

CIT 2713 Advanced C#® (C Sharp) (3-0-3)
This course will provide students with experience in real-world problem solving using object oriented programming techniques with the Microsoft® Visual C#® programming language to produce both Windows® and web applications. Object oriented programming techniques and program code reusability will be emphasized. Lab fee: $10. Prerequisite: CIT 1713 or permission of professor.

CIT 2753 Incident Response (3-0-3)
Incident response is an organized approach to addressing and managing the aftermath of a security breach or cyberattack, also known as an IT incident, computer incident or security incident. The goal is to handle the situation in a way that limits damage and reduces recovery time and costs. Lab Fee $10. Prerequisite: CIT 2523

CIT 2763 Security Scripting (3-0-3)
This course will cover scripting utilizing various languages and then focus on developing scripts that could be used for security testing, data analysis or other routine tasks for an IT professional. Lab fee $10. Prerequisite: CIT 1203.

CIT 2773 Virtualization Fundamentals (3-0-3)
Virtualization is used by IT professionals in the data center, on the desktop, and in the cloud to gain tremendous efficiency. In this course, the topics of server, desktop, storage, and network virtualization will be covered. Lab fee $10.

CIT 2853 Mobile & Networking Forensics (3-0-3)
This course is designed to provide students an in-depth look at mobile devices and networking components from the digital forensics point of view. The latest hardware and software tools will be used to query, analyze, and perform forensics analysis on both mobile devices and networking components. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment.

CIT 2863 Data Recovery & Reporting (3-0-3)
This course is designed to provide students an in-depth hands-on look at techniques and software platforms used to recover and analyze digital data. Data recovery will be performed on various platforms utilizing many manual and automated tools. Data analysis will be performed on the data recovered. Proper reporting techniques on digital forensics data will be introduced. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment.

CIT 2873 Digital Forensics Reporting (3-0-3)
This course is designed to provide students with hands-on practice on preparing reports on digital forensics data. Students will be introduced to the legal aspects of digital forensics and what is required to support their digital forensics investigation in the legal system. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment.

CIT 2883 Reverse Engineering (3-0-3)
This course is designed to provide students with the necessary knowledge and hands-on experience to detect and determine the true nature of Windows® binary files. Students will learn how to recognize the high-level language constructs critical to performing a thorough and professional reverse engineering analysis of a binary. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment.

Computer & Information Technology (CIT), continued

CIT 3103 Applied Incident Response (3-0-3)
Incident response is an organized approach to addressing and managing the aftermath of a security breach or cyberattack, also known as an IT incident, computer incident or security incident. The goal is to handle the situation in a way that limits damage and reduces recovery time and costs. Lab fee: $10. Prerequisite: CIT 2523

CIT 3113 Applied Security Scripting (3-0-3)
This course will cover scripting utilizing various languages and then focus on developing scripts that could be used for security testing, data analysis or other routine tasks for an IT professional. Lab fee: $10. Prerequisite: CIT 1203

CIT 3123 Applied Virtualization Fundamentals (3-0-3)
Virtualization is used by IT professionals in the datacenter, on the desktop, and in the cloud to gain tremendous efficiency. In this course, the topics of server, desktop, storage, and network virtualization will be covered. Lab fee: $10.

CIT 3203 Applied Reverse Engineering (3-0-3)
This course is designed to provide students with the necessary knowledge and hands-on experience to detect and determine the true nature of Windows binary files. Students will learn how to recognize the high level language constructs critical to performing a thorough and professional reverse engineering analysis of a binary. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment in CIT 2553

CIT 3213 Applied Data Recovery and Reporting (3-0-3)
This course is designed to provide students an in-depth hands on look at techniques and software platforms used to recover and analyze digital data. Data recovery will be performed on various platforms utilizing many manual and automated tools. Data analysis will be performed on the data recovered. Proper reporting techniques on Digital Forensics data will be introduced. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment in CIT 2553

CIT 3223 Applied Networking Forensics (3-0-3)
This course is designed to provide students an in-depth look at mobile devices and Networking components from the Digital Forensics point of view. The latest hardware and software tools will be used to query, analyze, and perform forensics analysis on both mobile devices and networking components. Lab fee: $10. Prerequisite: CIT 2553 or concurrent enrollment in CIT 2553

CIT 3303 Applied Networking Design and Configuration (3-0-3)
This course will introduce the student to the topology design and configuration of networks concentrating in the lower 3 layers of the OSI 7-layer Network Model. Students will learn the fundamental building block of a data network including cabling options, switch and router selection options and configurations, as well as the incorporation of Wireless Local Area Network design and configurations. IPv4 and IPv6 will be incorporated into the network design and configuration tasks as well. The course will also provide the necessary skills required to troubleshoot network issues typically encountered in layers 1, 2, and 3 of the OSI Network Model. The course should also provide a very good preparation for students seeking to pass the Cisco Certified Network Associate (CCNA) certification exam. Lab fee: $10. Prerequisite: CIT 1503, CIT 2053

CIT 3403 Applied Cloud Computing (3-0-3)
This course will introduce service-level cloud computing technologies including Hadoop, Spark, and distributed databases, as well as concepts such as IaaS (Infrastructure as a Service), Cloud Functions, and containerization. After taking this course, students will have experience with cloud computing platforms and will have been introduced to the processes necessary to build scalable cloud applications. Lab fee: $10.

CIT 4003 Data Structures (3-0-3)
This course covers analysis and design of fundamental data structures and engages learners to use data structures as tools to algorithmically design efficient computer programs that will cope with the complexity of actual applications. The course focuses on basic and essential topics in data structures, including array-based lists, linked lists, hash tables, recursion, binary trees, scapegoat trees, red-black trees, heaps, sorting algorithms and graphs. Lab fee: $10. Prerequisite: CIT 1613

CIT 4013 Application Development (3-0-3)
This course leverages a student's background and experience in HTML, CSS, JavaScript, and fundamental, object-oriented programming with the Visual Studio IDE running the .NET framework using the C# programming language. During the course, students will build upon a C# foundation using the .NET framework to design and develop scalable, standards-based websites, applications, and services using contemporary methodologies and established design patterns. Teamwork and programming deliverables will be required. Lab fee: $10. Prerequisite: CIT 1613 or permission of instructor

CIT 4023 Application Mobile Development (3-0-3)
By the end of the course, student will be able to write simple and intermediate-level GUI applications, use built-in widgets and components, work with the database to store data locally, and learn the basics of mobile platforms, app deployment, and application lifecycle. Lab fee: $10. Prerequisite: CIT 1613 or permission of instructor.

CIT 4806 IT Internship (6-0-6)
IT Internship is designed to help students, who are near graduation, get an industry-grade experience while providing a structure for reflection and support by faculty. Industry stakeholders also benefit from exposure to students who will soon be entering the workforce. Lab fee: $10. Prerequisite: BA 3001

CIT 4903 BAT Capstone (3-0-3)
This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a Bachelors in Applied Technology in Cybersecurity degree. Students will be expected to choose a research/development project that demonstrates their prior learning the student will complete an approved academic project and paper that demonstrates mastery of their program of study in a meaningful culmination of their learning. Prerequisite: ENGL 1113 and ENGL 1213

Computer Science (CS)

CS 1313 Programming for STEM (3-0-3)
This course will utilize the Python and Matlab computer programming languages with applications focusing on STEM related fields of study. This course is intended for students in a computer science degree program and/or STEM related disciplines. Prerequisite: MATH 1513.

Criminal Justice (CJ)

CJ 1103 Introduction to the Criminal Process (3-0-3)
A survey course of the entire criminal process field. Special emphasis is given the criminal justice field (law enforcement, court, corrections, and juvenile justice) with respect to its history and philosophy, current problems, general organization, and operation.

CJ 1113 Introduction to Corrections (3-0-3)
This is a basic course examining the entire correctional system from law enforcement through the administration of justice, probation, parole, prison systems and correctional institutions. This course will also include a brief examination of the social systems of prisons.

CJ 1123 Introduction to Law Enforcement (3-0-3)
A course designed to acquaint the student with the goals, functions, historical background, and operation of the field of law enforcement, and to satisfy part of the requirements for the Collegiate Officer Program. Career opportunities in law enforcement will be explored. This course is required for all Collegiate Officer Program (COP) students. Crosslisted with POLS 1123.

CJ 2101-3 Special Problems in Law Enforcement (Var.)
Specific interests in law enforcement may be developed in this course. Criminal investigation, police administration, crime lab methods, crime prevention, and crime detection are a few of the topics the student might choose. This provides the opportunity to expand a student's interest beyond the curriculum currently offered.

CJ 2193 Criminal Justice Internship (3-0-3)
This course will allow students, through internships, the opportunity to observe and experience a variety of activities directly related to the operation of criminal justice agencies/centers. Prerequisite: Permission of professor.

CJ 2303 Cultural Diversity & Criminal Justice (3-0-3)
The student will learn to identify the differences and similarities among diverse groups and understand how these differences and similarities impact members of the criminal justice system. An emphasis will be placed on Community Relations/Community Oriented Policing and Police Ethics. This course is required for all Collegiate Officer Program (COP) students. Prerequisite: ENGL 1113.

CJ 2401 Police Report Writing (1-0-1)
This course will prepare criminal justice students to write affidavits, incident reports, investigative reports and other reports common to the criminal justice field. This course is required of all Collegiate Officer Program (COP) students.

CJ 2453 Probation, Parole, & Community Corrections (3-0-3)
This is a basic course examining the historical and contemporary aspect of probation, parole, and community corrections. This course is intended to enhance the interest and qualifications for those who intend to enter into the criminal justice field.

CJ 2503 Criminology (3-0-3)
A study of the nature and causes of various forms of illegal activity. Emphasis is given to the role of social factors in the genesis of deviant motivation and to the question of how this motivation comes to be expressed as criminal activity. Crosslisted with SOC 2503. Prerequisite: SOC 1113.

CJ 2603 Criminal Procedure (3-0-3)
A study of the nature and scope of police power, as well as the extent and limitations thereof under the U.S. Constitution, Legislative Acts, and decisions by the various courts of the Judicial System of the U.S. The major focus will be on the statutes and procedures of Oklahoma, specifically portions of O.S. Titles 10, 21, 22, 37, and 63. This course is required of all Collegiate Officer Program (COP) students.

CJ 2703 Delinquency & the Juvenile Justice System (3-0-3)
This course includes information regarding theories of juvenile delinquency, current rehabilitation models of juvenile offenders, substantive and procedural criminal law as it relates to juveniles, tracing the constitutional protections of juvenile offenders and a study of law enforcement's response to the juvenile justice system as it applies to the state of Oklahoma's juvenile code.

CJ 2803 Criminal Investigation & Interviewing (3-0-3)
This course is designed to provide the criminal justice student and law enforcement practitioner with the fundamental information for a general overview of the field of criminal investigation. Information will be provided covering, but not limited to, criminal investigation equipment, investigative techniques, specific types of investigations/offenses, case preparations, courtroom testimony, and interviewing/interrogation techniques. This course is required of all Collegiate Officer Program (COP) students.

CJ 2863 Ethics in Criminal Justice (3-0-3)
This is a basic course examining the actions which constitute unethical behavior of a criminal justice professional and their consequences. The student of criminal justice will understand the concepts of ethics in law enforcement, the courts, and corrections. This course is required of all Collegiate Officer Program (COP) students.

Economics (ECON)

ECON 2103 Personal Finance (3-0-3)
This course will provide comprehensive coverage of personal financial planning in the areas of money management, career planning, taxes, consumer credit, housing, and other consumer decisions, legal protection, insurance, investments, retirement planning, and estate planning.

ECON 2303 Principles of Microeconomics (3-0-3)
A study of the concept of scarcity as it applies to consumer behavior, product markets, and resource markets with an emphasis on the application of these theories to current microeconomic problems.

ECON 2403 Principles of Macroeconomics (3-0-3)
A study of the concept of scarcity as it applies to aggregate demand and aggregate supply. This study will investigate the problems of inflation, unemployment and economic growth through the presentation of Keynesian theory, monetary theory, and other concepts developed to deal with these issues.

ECON 2503 Introduction to Investments (3-0-3)
A course to develop a decision-making format that will allow the individual investor to evaluate alternative investment opportunities and choose a strategy that is consistent with his/her goals. To accomplish this objective, a decision-making system will be presented as well as a detailed study of investment alternatives such as stocks, bonds, mutual bonds, treasury bills, real estate, precious metals, IRA's, etc.

ECON 2843 Elements of Statistics (3-0-3)
This course will address the elementary theory and application of statistical techniques stressing the fundamental nature of statistical methods. The subject matter includes an introduction to both descriptive and inferential statistical methodology and interpretation. More specifically the course will include an overview of central tendency and dispersion measures, probability theory and probability distributions, sampling distributions, parameter estimation using confidence intervals, single and multiple sample hypothesis tests of the mean using z-tests, t-tests, and analysis of variance, chi-square tests, and simple linear regression. Prerequisite: MATH 1513 or MATH 1483.

Education (EDUC)

EDUC 1103 College & Life Strategies (3-0-3)
This course is designed to help students develop effective approaches for completion of their Rose State College education. The knowledge and concepts behind such strategies are also transferable to other educational, professional, and personal context.

EDUC 1102 College & Life Strategies: Future Secondary Educators (2-0-2)
This is an eight week course designed to introduce and provide a broad overview of the teaching profession at the high school level. The course is open to all students, but it focuses on helping students explore teaching as a career and provide an overview of the teaching field in secondary education across multiple fields of study. Students will be able to glean from lectures and discussions led by faculty and explore teaching methods including collaborative peer-to-peer student-centered learning, problem-based learning, service learning, and observations.

EDUC 2091-3 Special Topics in Education (Variable)
Directed individual study or class in specific topics in Education. Topics to be determined.

English (ENGL)

NOTE: Rose State College is committed to the academic success of its students. Appropriate placement is a vital element to each student's success. A student's placement scores (within 3 years) through high school GPA, ACT, SAT or Next Generation ACCUPLACER, adequately determine college-level readiness, the ability to write clear, cohesive paragraphs, including grammar, syntax and semantics. If this level is not cleared by the test, developmental courses may be required.

ENGL 0131 English Composition Studio (1-0-1)
This course is only offered during interim sessions and may be taken by students whose writing placement scores indicate an intense review of grammar, punctuation, mechanics, and language usage skills is necessary to meet required college standards for enrollment in ENGL 1113. Students who place into this course and successfully complete it with a grade of "C" or higher are then eligible to enroll in ENGL 1113, English Composition I. Students who do not complete with a grade of "C" or higher instead are eligible to enroll in ENGL 0142 and ENGL 1113 as co-requisite courses. Prerequisite: appropriate assessment scores.

ENGL 0133 English Composition Review (3-0-3)
This course provides an intense review of the basic elements of Standard English usage to enable students to improve grammar, language, and punctuation skills while employing critical thinking strategies and the writing process to respond to a variety of writing situations. The course focuses on sentence, paragraph, and basic essay structure and development with attention to the mechanical and structural elements of the writing process. Students who successfully complete this course with a grade of C or higher are then eligible to take ENGL 1113 with ENGL 0142 as a co-requisite course. Prerequisite: Satisfactory assessment scores.

ENGL 0142 Integrated Composition Skills (2-0-2)
This course provides co-requisite instruction for students who wish to begin their college-level composition studies while also removing their writing placement deficiency. Students enrolling in this course must be concurrently enrolled in the associated ENGL 1113 section since much of the content and course material between the two courses will be integrated. In ENGL 0142, students learn and practice specific college-level composition skills through critical reading and writing, class discussions, workshops, lectures, quizzes, or presentations. Prerequisite: Appropriate assessment scores or successful completion of ENGL 0133.

ENGL 1113 English Composition I (3-0-3)
This is the first in a two-course sequence that integrates critical reading, thinking, writing, and other communication skills to prepare students to compose texts in both academic and professional career situations. In this first course, English Composition I provides instruction on college level writing covering essay structure, grammatical skills, argumentative writing techniques, and research methods Students will write documented essays using appropriate research citation styles. Students are also required to write other formal and informal assignments. Prerequisite: Successful completion of ENGL 0131 with a grade of C or better; successful completion of ENGL 0133 with a grade of C or better and concurrent enrollment in ENGL 0142; or satisfactory assessment score for ENGL 1113.

ENGL 1213 English Composition II (3-0-3)
This is the second in a 2-course sequence that integrates critical reading, thinking, writing, and other communication skills to prepare students to construct discourse in both academic and professional career situations. In this course, students continue to engage in close reading of textual and visual compositions; however, the construction of argument, and its role in public discourse, is emphasized. Students learn to write longer, more sustained arguments with more sophisticated logic, rhetorical skill, and critical complexity. Students will write documented essays using appropriate research citation styles. Students are also required to write other formal and informal assignments. Prerequisite: Successful completion of ENGL 1113.

ENGL 1913 Writing for the Health Professions (3-0-3)
Writing for the Health Professions is designed to help students interested in careers in the health professions transition from college-level writing to "real world" professional communication. The course exposes students to advanced research resources and strategies particular to the health professions in order to read, analyze, and produce professional documents, including cover letters, resumes, personal statements, project proposals, and review articles. The course covers the complex process writers need to learn to accomplish this goal, including how to tailor information for specific audiences; how to use stylistic and visual devices to make information more accessible; and how to edit their work as well as that of their peers. Prerequisite: ENGL 1113.

ENGL 2033 Creative Writing (3-0-3)
This course is designed to acquaint the student with various modes of creative expression in poetry and short fiction and those devices and techniques necessary to the development of creative writing skills. The course will provide closely supervised applied study of such elements of poetry as imagery, metaphorical language, rhyme, meter, and symbolism, and such elements of fiction as plot, characterization, description, dialogue, and theme. Prerequisite: ENGL 1113.

ENGL 2053 Technical Report Writing (3-0-3)
This course is designed to assist students in developing skills for writing as professionals in the workplace, as distinct from academic settings. Emphasis in this course is on improving the written and oral communication skills of students seeking careers in business, technical, or scientific fields. Writing instruction will also include principles of collaborative writing, rhetorical analysis, research, documentation, and writing for digital media. Prerequisite: ENGL 1113.

ENGL 2063 Poetry Writing (3-0-3)
In this class, students will participate in various kinds of poetry writing activities, be introduced to internationally-known contemporary poets, and critique one another's work via the workshop process. Students will also learn manuscript format, become familiar with publishing markets, be introduced to prosody, prepare a writing portfolio, and participate in a public student poetry reading.

English (ENGL), continued

ENGL 2091-3 Special Topics in English (Variable)
A course of directed individual or class study of special topics in composition or literature. May be repeated with different topics. Permission of professor required.

ENGL 2113 Introduction to Literature (3-0-3)
A study of the various types of literature and the terminology and standards for analyzing and evaluating each. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or concurrent enrollment.

ENGL 2123 Introduction to Cinema (3-0-3)
A study of the development of film as a cultural influence, with special emphasis on the methods by which themes are presented. Attention given to unique cinematic techniques that distinguish films from other creative works. Film criticism and cultural writing stressed. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2133 Bible as Literature (3-0-3)
A survey course in Biblical literature introducing students to the academic study of the Bible as a literary and cultural document. This course emphasizes the themes and literary forms of the Bible, as well as the historical and cultural contexts from which the Bible, including the Hebrew Tanak, Apocrypha, and Christian New Testament, was written. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2153 Fantasy & Science Fiction Literature (3-0-3)
A survey of the best fantasy and science fiction literature, including epics, utopian novels, and gothic tales that are the seeds of modern imaginative literature. Classical literary criteria will be stressed and applied to the various literary genres. Prerequisite: ENGL 1213 or equivalent.

ENGL 2213 American Literature to 1865 (3-0-3)
An American literature survey exploring the works of American writers who have been a force in shaping the American literary tradition. The course covers the Colonial Period through the Civil War Period. May be taken as credit for Humanities General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2223 American Literature from 1865 (3-0-3)
An American literature survey exploring the works of American writers who have been a force in shaping the American literary tradition. The course covers the period from the Civil War through the present. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2233 Native American Literature (3-0-3)
A survey of the literature of the Native American from Pre-Columbian time through the present including poetry, fiction, oratory, biography, legend, and essay. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2243 Black American Literature and Media (3-0-3)
A literature and media survey exploring the works of Black American content creators who have made substantial contributions to the American conscience. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2253 Women in American Literature (3-0-3)
This course examines the images of women reflected in American literature to provide an overall view of the changing roles women have experienced culturally, socially, and psychologically. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2313 English Literature to 1798 (3-0-3)
A survey course covering British literature from the Anglo-Saxon beginnings to 1798. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2323 English Literature from 1798 (3-0-3)
A survey course covering British literature beginning with the Romantic movement and concluding with 20th century writers. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2413 World Literature to 1674 (3-0-3)
A survey of world literary masterpieces from classical Greek and Roman literature through the Middle Ages and into the Renaissance literature. Special attention is given to historical/cultural development. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2423 World Literature from 1674 (3-0-3)
A study of representative works of world literature from the 17th century to the present. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected great works of the Western and non-Western literary traditions, including women's, minority, and ethnic literature from around the world. An important goal of the class is to promote an understanding of the works in their cultural/historical contexts and of the enduring human values which unite the different literary traditions. May be taken as Humanities credit for General Education Requirements. Prerequisite: ENGL 1213 or equivalent.

ENGL 2503 English Capstone (3-0-3)
The English Capstone course evaluates and strengthens literary, written, and oral presentation skills for students seeking an associate degree in English and/or intending to transfer to a 4-year English program. Course delivery methods include individual study with an English professor, small group study, and some lectures. This is a required course for an associate degree in English. Prerequisites: ENGL 2113 and 9 hours from ENGL 2213, 2223, 2313, or 2323.

Engineering (ENGR)

ENGR 1213 Introduction to Engineering Practices (3-0-3)
Introduction to engineering principles and practices including methods of problem solving, case study analysis, presentation of engineering data, and the professional aspects of engineering. Teamwork will be emphasized with an open-ended design project. Prerequisite: MATH 1513 or equivalent.

ENGR 2013 Engineering Graphics & Design (2-3-3)
This course offers an overview of graphical communication for engineers and hands-on experience using parametric CAD software. The course concludes with an active learning approach to the Design Process where students apply the steps in the Design Process to create a solution for a real-world problem using digital manufacturing. Prerequisite: student must be eligible to enroll in a college level math class.

ENGR 2091-6 Special Topics in Engineering (Variable)
Directed individual study of special topics and special courses in engineering to offer special engineering courses to Tinker AFB technical personnel and to other select groups of the community.

ENGR 2103 Statics (3-0-3)
Two- and 3-dimensional force systems, equivalent systems of forces, equilibrium of rigid bodies in 2 and 3 dimensions, centroids, moments of inertia, structures and frames, friction, virtual work. Prerequisites: MATH 2924 or concurrent enrollment, and PHYS 2434.

ENGR 2113 Dynamics (3-0-3)
Equations of motion, Newton's Second Law, principles of work and energy and impulse and momentum in translation and rotation of rigid bodies, mechanical vibrations. Prerequisites: ENGR 2103 and MATH 2924.

ENGR 2123 Statics & Dynamics (3-0-3)
Statics: forces and moments; general 3-dimensional statically determinant frames and structures; centroids and moment of inertia of areas; moment of inertia of masses. Dynamics: rectilinear and curvilinear motion of a particle; Newton's laws of motion; principles of work and energy, impulse and momentum as applied to particles. Prerequisites: MATH 2924 and PHYS 2434.

ENGR 2133 Strength of Materials (3-0-3)
Elementary elasticity and Hooke's law; Poison's ratio; solution of elementary 1- and 2-dimensional statically indeterminate problems; stresses and strains induced by direct loading, bending and shearing; deflection of beams; area-moment and moment distribution; combined stresses; structural members of 2 materials; and columns. Prerequisites: ENGR 2103 or ENGR 2123, and MATH 2924.

ENGR 2203 Digital Signals & Filtering (3-0-3)
A student of digital signals including: Sampling, Discrete Time Mathematics, Filter Design, and Spectral Analysis. The course will include the use of MATHLAB or other mathematical analysis software. Prerequisite: MATH 2924.

ENGR 2213 Electrical Science (3-0-3)
A survey of electrical engineering techniques, methods, and problems associated with direct and alternating network theory, operation and application of electronic devices, transducers, and rotating machinery. Prerequisites: MATH 2924 or concurrent enrollment, and PHYS 2444 or concurrent enrollment.

ENGR 2233 Fluid Mechanics (3-0-3)
This course provides a foundation in mechanics as applied to fluids. Topics covered in this course include fluid statics, conservation equations applied to fluids, dimensional analysis, and the use of both internal and external viscous flow models. Prerequisites: MATH 2934 and ENGR 2103 or ENGR 2123.

ENGR 2303 Materials, Design, & Manufacturing Processes (3-0-3)
The structure and properties of materials relative to manufacturing processes will be studied. Additionally, the ultimate performance of products will be investigated. Casting, molding, forming, machining and joining processes will be studied. Course assignments and a design project will supplement class material. Prerequisite: PHYS 2434.

ENGR 2313 Engineering Thermodynamics (3-0-3)
A study of the first and second laws of thermodynamics as applied to engineering problems and analysis. Prerequisites: MATH 2924, PHYS 2434, and either CHEM 1135 or CHEM 1225.

Engineering Technology (ENGT)

ENGT 1203 Technology Practices (3-0-3)
This course is designed as a dynamic lecture course that includes various hands-on activities to teach technology practices in the context of the responsibilities of technicians and technologists in the workplace. The basic tools of engineering technology, including problem solving, conversion of units, computer skills, and technical reporting, are explained. Mathematical concepts are presented to show the practical uses of algebra, trigonometry, and geometry. The broad spectrum of today's technologies will be reviewed in relation to electronic and mechanical systems.

ENGT 1214 Introduction to Mechanical Systems (3-2-4)
A study of basic mechanical drive components such as gears, pulleys, belts, chains, and sprockets. Topics include the mechanical principles and applications of these devices and mechanical systems employing them. Prerequisite: MATH 0144.

ENGT 1224 Mechanical Systems I (3-2-4)
A continuation of ENGT 1214 including cams, cam followers, levers, and linkages plus the combination of these devices with gears, pulleys, and sprockets to form complex mechanical systems. Prerequisite: ENGT 1214.

ENGT 1304 Introduction to Electronics (3-2-4)
This course is for beginning students who are starting a career in the electronics field and for non-majors. This course will cover a wide range of electronic principle topics. Students apply the theoretical, fundamental concepts and demonstrate basic skills of electronics that involve direct current, alternate current, electronic components and use of basic test equipment. Prerequisite: MATH 1513.

ENGT 1314 Fundamentals of Electricity (3-2-4)
The nature of electricity, Ohm's Law, series and parallel circuits; Kirchhoff's Laws, network theorems, magnetism, electromagnetic induction, and steady state and transient analysis of RC and RL circuits. Lab experience emphasizes use of test equipment and circuit hardware. Prerequisite: MATH 1513.

ENGT 1324 Circuit Analysis (3-2-4)
The topics of study include the following: the response of resistive, inductive, and capacitive elements to sinusoidal voltages and currents; the use of complex numbers in the analysis of series, parallel, and series-parallel AC circuits with resistive, inductive, capacitive components; and the characteristics of AC power. The subjects of transformers, resonant circuits, passive filters, polyphase systems, and pulse waveforms will also be examined. Prerequisite: ENGT 1314.

ENGT 1333 Electronic Devices & Amplifiers (2-2-3)
The study of the various semiconductor diodes, bipolar junction transistors, field effect transistors, and PNPN devices. This study includes the characteristics, parameters, biasing, uses such as amplifiers, and basic circuit configurations for these devices. Prerequisites: ENGT 1314 and concurrent enrollment in ENGT 1324.

ENGT 1614 Advanced Design I (4-0-4)
This course will cover the theory and application of engineering drawing, sketching and block lettering, geometric construction; representation of normal, inclined oblique and cylindrical surfaces; standard, section and auxiliary views; dimensioning; and, an introduction to designing with a CAD® system. The student will also use engineering and mechanical scales and precision measuring instruments to measure sizes, lengths and locations of shapes and features. Mathematical concepts will also be presented to show the practical uses of algebra, trigonometry, and geometry. Prerequisite: Eligible to enroll in a college-level math class.

ENGT 1833 Introduction to Quality Assurance (3-0-3)
This course is designed to teach the basic concepts and techniques of quality control, the application of these techniques to production problems, and the utilization of reference materials related to quality control.

ENGT 1842 Dimensional Metrology (2-0-2)
A study of the science of dimensional metrology, systems of measurement, mechanical measurements, scaled instruments, reference planes, and calibration programs. Prerequisite: MATH 1513.

ENGT 1853 Quality Planning & Analysis (3-0-3)
This course prepares the students in the basic fundamentals of organizing quality functions from development to customer usage based on managerial and engineering methodology. Vendor/customer relations and economic factors will also be discussed.

ENGT 2091-6 Special Topics in Engineering Technology (Variable)
Individual topics of study dealing with specific areas of the engineering-related technologies. May be repeated for a maximum of 6 credit hours.

ENGT 2103 Additive Manufacturing (2-2-3)
This course is designed to teach the importance of additive manufacturing (a.k.a. 3D Printing) and its huge role in global product development and innovation. The student will develop a rich knowledge of 3D printing technologies, devices, capabilities, materials and applications. The student will also learn the trade-offs between various 3D printing processes and technologies, along with the various related software tools, process and techniques, such as 3D scanning, injection molding, and casting. Finally, the student will learn the latest trends and opportunities in 3D printing. Lab fee: $10.

ENGT 2123 Electromechanical Devices & Controls (2-2-3)
An introduction to electromechanical devices such as solenoids, relays, starters, switches, and motors. The course further includes the study of control devices, line diagrams, and wiring methods as used in motor control circuits. Prerequisites: MATH 1513 and ENGT 1324.

Engineering Technology (ENGT), continued

ENGT 2191-4 Engineering Technology Internship (Variable)
A supervised on-the-job training experience in an appropriate business, industry, government agency, or institution. May be repeated for up to 12 hours credit. Prerequisites: Approval of Engineering and Science Division Dean and employer.

ENGT 2214 Mechanical Systems II (2-4-4)
A study of factors influencing efficient manufacturing processes. Case histories are studied and philosophies of manufacturing economics are debated. In support of lab exercises, jig and fixture design, process flow control, material handling, and management of resources are integrated with industrial robots and CNC machinery to provide the student with experience balancing the factors associated with manufacturing. Product research and original design are integrated with technical communications, both written and oral. Prerequisite: ENGT 1224.

ENGT 2224 Computer-Aided-Design/Computer-Aided Machining (CAD®/CAM®) (2-4-4)
An introduction to current technology for producing CNC programs from SmartCAM®, AutoCAD®, Iges and/or CADkey® software. The student will download both graphically- and manually-produced programs to a floor-model CNC end-mill and modify them to fulfill production specifications and requirements. Multiple part positioning and machine tooling are emphasized. Equipment is full-sized, metal is machined, multiple parts are produced, and close tolerances are required. If students desire to employ graphics other than SmartCAM, they must be proficient in the graphics version to be used.

ENGT 2614 Advanced Design II (4-0-4)
This course builds on the knowledge and skills acquired in Advanced Design I. A more intense study of engineering graphics and modeling techniques for product design and development will be covered. Topics cover include freehand sketching, geometrical construction, orthographic projection, visualization techniques, dimensioning and tolerancing, CAD® systems and an open-ended design project. Prerequisite: ENGT 1614.

ENGT 2803 Statistical Quality Control (3-0-3)
This course introduces the student to fundamental concepts of statistical theory as applied to quality control techniques. Various acceptance sampling programs and control charts will be discussed. Prerequisite: MATH 2083.

ENGT 2823 Nondestructive Testing (3-0-3)
This course introduces the student to various non-destructive testing methods for quality control purposes: liquid penetrant testing, magnetic testing, X-ray and isotope radiography, ultrasonic and eddy current tests.

ENGT 2833 Reliability Engineering Objectives (3-0-3)
The course introduces the student to the concepts of product reliability theory, statistical techniques, failure law, maintainability, design and systems analysis, vendor reliability control, reliability in production, and reliability program management. Prerequisites: ENGT 1833 and MATH 2083.

Environmental Science (ENSC)

ENSC 1101 Introduction to Environmental Science Laboratory (0-2-1)
This course introduces students to the wide range of environmental issues that are present in today's world by utilizing a hands-on learning approach. This lab will examine the physical and ecological systems of the earth, their complex connections and patterns, and human interactions with the environment. Lab fee: $15.

ENSC 1103 Introduction to Environmental Science (3-0-3)
Scientific study of interaction among organisms, including humankind, with each other and their physical environment including sustainable resource management and the impacts of human populations and activities.

ENSC 2113 Solid & Hazardous Wastes: Principles & Management (3-0-3)
Introduction to the problems, regulations and techniques associated with the management of solid and hazardous waste to include composition, volume and characterization of the wastes. The course will cover the collection and disposal systems of solid and hazardous wastes, including landfills, solidification/stabilization and incineration.

ENSC 2123 Air Quality (3-0-3)
This course is the study of air pollution; its public, legal, engineering, and scientific ramifications, and current methods of sampling, analysis, and evaluation. Prerequisite: ENSC 1103 or concurrent enrollment.

ENSC 2191 Individual Studies (Variable)
Directed individual study of special projects and supervised on-the-job training in selected organizations, businesses, and institutions of appropriate interest. Prerequisite: ENSC 1103 or concurrent enrollment.

ENSC 2233 Water Resources (3-0-3)
This course is a study of the functional relationships of streams and lakes as they are affected by their physical, chemical and biotic environment. Increasing knowledge about the operational stream ecosystem and factors that regulate productivity of the total watershed are evaluated as well as impacts from human activities, including urban runoff, mining and agriculture. Students will select a stream/lake site to sample and analyze the water quality of the site throughout the semester. The legal framework for water pollution control in the United States is addressed via a review of the structure and requirements of the Clean Water Act and Safe Drinking Water Act. Prerequisite: ENSC 1103 or concurrent enrollment.

ENSC 2403 Industrial Hygiene Practices (3-0-3)
Industrial Hygiene Practices provides students with an introduction to the field of industrial hygiene that includes anticipating, identifying, evaluating, and controlling health hazards. This course covers the basic concepts in threshold limits, dose response, and general recognition of occupational hazards, sample collection and evaluation methods. Prerequisite: ENSC 1103 or concurrent enrollment.

Environmental Technology (ENVT)

NOTE: All ENVT courses are offered through the Professional Training Center, (405) 733-7488.

ENVT 1111 D-Level Water Operator (1-0-1)
This course covers all aspects of Basic "D"-level operations for water operators. Material and studies include: basics of water treatment, characteristics of water, general regulations and management, reservoir management and intake structures, coagulation and sedimentation, filtration, disinfection, supplemental treatment, ground water systems, distribution systems, maintenance, and operator safety.

ENVT 1121 D-Level Wastewater Operator (1-0-1)
This course covers all aspects of Basic "D"-level operations for wastewater operators. Material and studies include: basics of wastewater treatment, characteristics of wastewater, general regulations and management, collection systems, maintenance, operator safety, preliminary and primary treatment, secondary treatment, advanced treatment (tertiary treatment), sludge digestion and solids handling, wastewater treatment ponds, and disinfection.

ENVT 1211 C-Level Water Operator (1-0-1)
This course covers all aspects of intermediate "C"-level operations for water operators. Material and studies include: basics of water treatment, characteristics of water, general regulations and management, reservoir management and intake structures, coagulation and sedimentation, filtration, disinfection, supplemental treatment, ground water systems, distribution systems, maintenance, and operator safety.

ENVT 1221 C-Level Wastewater Operator (1-0-1)
This course covers all aspects of intermediate "C"-level operations for wastewater operators. Material and studies include: basics of wastewater treatment, characteristics of wastewater, general regulations and management, collection systems, maintenance, operator safety, preliminary and primary treatment, secondary treatment, advanced treatment (tertiary treatment), sludge digestion and solids handling, wastewater treatment ponds, and disinfection.

ENVT 1231 C-Level Water Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain a "C" water lab technician license. Water treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of water being treated and produced. By relating lab results to treatment plant operators, the system can function efficiently and safely. Parameters and testing procedures for alkalinity, hardness, chlorine residual, general lab safety and practices, jar tests, lab glassware, metric system, pH, quality assurance, standard solutions, and turbidity are the main topics discussed in lecture and demonstration.

ENVT 1241 C-Level Wastewater Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain a "C" wastewater lab technician license. Wastewater treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of wastewater being treated and produced. By relating lab results to treatment plant operators, the system can function efficiently and safely. Parameters and testing procedures for: alkalinity, biochemical oxygen demand, dissolved oxygen, general lab glassware, metric system, pH, quality assurance, seeded B.O.D. tests, solids analysis, and standard solutions are the main topics discussed in lecture and demonstration.

ENVT 2091-7 Special Topics in Environmental Technology (Variable)
Special courses and workshops dealing with specific areas of environmental technology, especially water/wastewater technology. Lab fee: $10.

ENVT 2312 B-Level Water Operator (2-0-2)
This course covers all aspects of advanced "B"-level operations for water operators. Material and studies include: basics of water treatment, characteristics of water, general regulations and management, reservoir management and intake structures, coagulation and sedimentation, filtration, disinfection, supplemental treatment, ground water systems, distribution systems, maintenance, and operator safety.

ENVT 2322 B-Level Wastewater Operator (2-0-2)
This course covers all aspects of intermediate "B"-level operations for wastewater operators. Material and studies include: basics of wastewater treatment, characteristics of wastewater, general regulations and management, collection systems, maintenance, operator safety, preliminary and primary treatment, secondary treatment, advanced treatment (tertiary treatment), sludge digestion and solids handling, wastewater treatment ponds, and disinfection.

ENVT 2331 B-Level Water Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain a "B" water lab operator. Water treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of water being treated and produced. By relating lab results to treatment plant operators the system can function efficiently and safely. Parameters and testing procedures for: metric system, laboratory, glassware, quality assurance, standard solutions, alkalinity, pH, turbidity, DPD Colorimetric Chlorine Test, Calcium Carbonate Stability Test, Membrane Filtration Test, Coliform Test, EDTA Test For Hardness, NBS Thermometer, lab technician rules and regulations, and lab safety are the main topics discussed in lecture and demonstration.

ENVT 2341 B-Level Wastewater Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain a "B" wastewater lab technician license. Wastewater treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of water being treated and produced. By relating lab results to treatment plant operators the system can function efficiently and safely. Parameters and testing procedures for coliform bacteria, general lab practices, lab safety, solids analysis, biochemical oxygen demand, dissolved oxygen, pH, alkalinity, standard solutions, quality assurance, wastewater lab glassware, and metric systems are subjects discussed in lecture and demonstration.

Environmental Technology (ENVT), continued

ENVT 2412 A-Level Water Operator (2-0-2)
This course covers all aspects of advanced "A"-level operations for water operators. Material and studies include: basics of water treatment, characteristics of water, general regulations and management, reservoir management and intake structures, coagulation and sedimentation, filtration, disinfection, supplemental treatment, ground water systems, distribution systems, maintenance, and operator safety.

ENVT 2422 A-Level Wastewater Operator (2-0-2)
This course covers all aspects of advanced "A"-level operations for wastewater operators. Material and studies include: basics of wastewater treatment, characteristics of wastewater, general regulations and management, collection systems, maintenance, operator safety, preliminary and primary treatment, secondary treatment, advanced treatment (tertiary treatment) sludge digestion and solids handling, wastewater treatment ponds, and disinfection.

ENVT 2431 A-Level Water Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain an "A" water lab operator certificate. Water treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of water being treated and produced. By relating lab results to treatment plant operators, the system can function efficiently and safely. Parameters and testing procedures for metric system, laboratory, glassware, quality assurance, standard solutions, alkalinity, pH, turbidity, DPD Colorimetric Chlorine Test, Calcium Carbonate Stability Test, Membrane Filtration Test, Coliform Test, EDTA Test for Hardness, NBS Thermometer, lab technician rules and regulations and Laboratory Safety Gas Chromatography, Electrothermal Atomic Absorption, iron and manganese, reagent analysis, and total coliform tests are the main topics discussed in lecture and demonstration.

ENVT 2441 A-Level Wastewater Laboratory (0-2-1)
This course is designed to train a person in lab skills necessary to attain an "A" water lab technician license. Wastewater treatment processes cannot be effectively controlled unless the operator has some means to check and evaluate the quality of water being treated and produced. By relating lab results to treatment plant operators, the system can function efficiently and safely.

ENVT 2532 B/A Water Operator Management (2-0-2)
This course is a detailed and very intensive course involving management of multi-million dollar facilities and personnel. Managers must be proficient in budgeting for water and wastewater capital improvements, discharge regulation (OPDES) permits, safe drinking water standards, public relations, federal grant proposals, etc. These items are covered along with many real life scenarios and situations. A wide variety of managed personnel are employed around very dangerous equipment. All must comply with the Department of Labor standards and practices. Management of safety programs is stressed.

French (FREN)

FREN 1115 Elementary French I (5-0-5)
This course is an introduction to the French language. Through study of French grammar, vocabulary, and pronunciation, this course emphasizes the development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in France as well as other Francophone nations. Prerequisite: ENGL 1113 or concurrent enrollment.

FREN 1225 Elementary French II (5-0-5)
This course is a continuation of Elementary French I. Through study of French grammar, vocabulary, and pronunciation, this course emphasizes the continuing development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in France as well as other Francophone nations. Prerequisite: FREN 1115.

FREN 2091-3 Special Topics in French (Variable)
Directed individual or class study of special topics in French. May be repeated with different topics. Permission of professor required.

Family Services & Child Development (FSCD)

FSCD 1213 Introduction to Family Services/Child Development (FSCD) (3-0-3)
Introduction to Family Services/Child Development (FSCD) provides students with an overview of early care and education programs, and an introduction to the developmental and individual needs of children ages birth through eight. This course will present the major theories in child development and the application of those theories in child care and preschool settings. The theorists discussed include but are not limited to Piaget, Erikson, Bandura, Montessori, Vygotsky, and Dewey. Throughout the course, students will gain an understanding of the standards and practice of professional development. Students will also identify possible careers in Family Services/Child Development and research relevant and appropriate professional organizations.

FSCD 1313 Health, Safety, & Nutrition for Families & Children (3-0-3)
This course will help students develop an understanding of the theory and practices for development of positive health, safety, and nutrition practices with families and children. The course will focus on application of these principles and practices with young children in group care and methods for teaching health, safety, and nutrition to children and to family members.

FSCD 1323 Developmentally Appropriate Practices & Environments (3-0-3)
In this course, students will study the principles of developmentally appropriate practice as they relate to the implementation of child development curricula and room arrangement. Included in this course are the opportunities for the student to identify the concept areas of the Oklahoma Early Learning Guidelines. Students will intentionally set up engaging and appropriately challenging early childhood learning environments. This course will address the principles of environmental design and the integration of curriculum within various designs. Furthermore, students will focus on the importance of a play-based curriculum and how to create, maintain, and enrich indoor and outdoor learning environments for young children.

FSCD 2091-3 Special Topics in Family Services & Child Development (Variable)
Directed individual study or class in specific topics in child development. Topics to be determined by the program needs of students. May be repeated for a maximum of 3 credit hours. Permission of professor required.

FSCD 2213 Curriculum Planning (3-0-3)
This course focuses on planning, designing, and implementing effective early childhood curriculum for ages 3 through 8. Students clearly see what can be taught to young children, why it is important, and how it can be accomplished. The emphasis is on the importance of a child-centered curriculum that encompasses the whole child—physical, social, emotional, creative, and cognitive—and the focus is on the developmental needs of the children in the classroom, the cognitive areas of the curriculum, and effective methods of curriculum implementation. Students will learn a comprehensive, cohesive approach to curriculum development, which results in greater continuity for children and practitioners in group settings in childcare, preschool, and early elementary grades. Prerequisite: FSCD 1323.

FSCD 2223 Language and Literacy (3-0-3)
This course focuses on research-based principles and practices for providing young children ages birth through eight with a strong foundation in language and literacy, using a developmentally appropriate approach. Students will focus on the study of theories, methods, and materials as well as instructional techniques related to children's language and literacy development, including oral language, writing, and reading.

FSCD 2233 Practicum in Family Services & Child Development (1-4-3)
This course addresses the practical application of evidence-based practices based on early childhood education/family services principles and theories. Students work with diverse young children and families in high-quality, culturally, linguistically, and ability diverse early childhood/family services settings under the supervision of a site supervisor and a college coursework supervisor. Before beginning professor-approved supervised field experiences, students must complete and pass an OSBI Background Check and drug screening test. These 2 requirements will be at cost to the student. Permission of professor required.

FSCD 2333 Families & Substance Abuse (3-0-3)
Families and Substance Abuse is a course in which the student examines the family as a social institution and the influences that substance abuse has on the institution. Major emphasis is placed on theoretical models of substance abuse, social and historical context of substance abuse, legal aspects of drug abuse, and issues that typically exist in families dealing with substance abuse. Crosslisted with SOC 2333. Prerequisite: SOC 1113.

FSCD 2403 The Family in Society (3-0-3)
This course will focus on the family as a social institution. It will provide a historical and multi-cultural overview of the family, as well as address the many issues facing and redefining the modern family. Throughout the duration of the course, students will examine the relationship between social inequality and the family with a particular focus on gender inequality, the current parameters of family roles, and the impact of social class, race, and ethnicity. Crosslisted with SOC 2403. Prerequisites: ENGL 1113 and SOC 1113.

FSCD 2433 Observing & Assessing Human Behavior (2-1-3)
This course explores various methods used to document and evaluate the development of young children (infants through 8 years old) in structured and unstructured situations. FSCD/PSYC 2433 will highlight the value of keen observation in order to record and assess the social, physical, language, intellectual, creative and emotional development in young children. Ethics, confidentiality, teacher accountability, family communication, portfolio organization, developmental milestones, the process of identifying individual strengths and challenges are some of the topics that will be addressed. Supervised field observation experiences are mandatory. Before beginning professor-approved supervised field observation experiences, students must complete and pass an OSBI Background Check and drug screening test. These 2 requirements will be at cost to the student. Crosslisted with PSYC 2433. Permission of professor required.

Family Services and Child Development (FSCD), continued

FSCD 2463 Understanding Child Abuse & Neglect (3-0-3)
The purpose of this course is to provide a general introduction to the topic of child welfare, including abuse and neglect. The student will be given information about how children have been viewed throughout history and within various cultural contexts. The student will learn about the various methods of child welfare, intervention and prevention strategies, and how the social services systems response to child abuse and neglect has evolved. Crosslisted with SOC 2463. Prerequisite: ENGL 1113.

FSCD 2523 Child Growth & Development (3-0-3)
Growth and development of the child from conception through adolescence. Includes roles and responsibilities of parenthood, physical growth, intellectual growth, personality development, societal and family adjustment, and communication. Crosslisted with PSYC 2523.

FSCD 2533 Guidance of Young Children (3-0-3)
A course to promote understanding and application of the principles and techniques of guidance with children in group and individual settings. General understanding of behavior patterns of children, methods of guiding and directing children's behavior patterns and activities for positive growth and development. Prerequisite or corequisite: ENGL 1113.

FSCD 2573 Family, School & Community Relations (3-0-3)
This course will deal with family, school, and community issues as they relate to children up to age 10 and their families. This course will enable students to develop the skills and techniques for working with parents and school and community services. Included will be an historical overview of family life and parent involvement, characteristics of families in today's society, effective communications with families, schools and home-based programs for families, and services for families with special needs.

FSCD 2613 Infant/Toddler Programs (3-0-3)
This course will enable students to develop the knowledge and skills necessary to work with children from birth to 2 1/2 years of age. Emphasis is on infant and toddler growth and development, activity planning, and a developmentally appropriate environment.

FSCD 2633 Administration in Family Services & Child Development Programs (3-0-3)
This course will enable students to develop the knowledge and skills necessary to manage and/or direct a program for children and for families. The course includes policy making, budgeting, personnel management, evaluation, staff development, facilities and equipment, regulations, and types of program accreditations.

Film Studies & Digital Media (FSDM)

FSDM 1103 Production Design (3-0-3)
Principles of constructing, rigging, painting, and assembling modern stage scenery and equipment. Requires 16 laboratory hours which includes some evenings and weekends. This course is cross-listed with TH 1103.

FSDM 1213 Directing & Media Aesthetics (3-0-3)
A basic introduction to principles of directing and the art of film and media aesthetics. This course will introduce, examine, and demonstrate both the theoretical discussion and practical application of filmmaking techniques and concepts: composition, time, space, motion, light, color, sound, and editing.

FSDM 1223 Basic Editing (3-0-3)
Students will gain on-hands experience with non-linear editing software for digital video and audio by working with multiple video and audio tracks, scene building, and timeline maintenance. Students will learn to use basic transitions as well as the history and theory behind editing techniques and methods. Basic techniques and methods for digital effects will also be introduced. There will be a lab fee of $10.00.

FSDM 1313 Cinematography (3-0-3)
Cinematography will provide a theoretical backdrop to inform technical application of camerawork and lighting for professional film and digital video production. Students will engage with artistic theories of composition, setting, movement, and light, and students will learn how to operate consumer, pro-sumer, and professional camera equipment.

FSDM 1413 Sound Design and Editing (3-1-3)
In Sound Design and Editing, students will demonstrate the aesthetic and technical skills for production and postproduction sound for use in cinematic and digital content. Students will gain experience with microphones, sound design, volume, recording techniques for on-location and studio settings as well as post-production editing and mixing software and methods. Student will produce a short film or video work with an emphasis on sound design theory and practice.

FSDM 1833 Film History (3-0-3)
The course will explore the international history of film from the early years of the artform to modern filmmaking practices. Students will demonstrate an understanding of technological, socio-historical, and cultural influences on different films, directors, and audiences. This course can be taken for General Humanities credit.

FSDM 1913 Classical Hollywood Cinema (3-0-3)
This course will provide students the opportunity to experience, assess, analyze, and critique the Classical Hollywood style of filmmaking up until its end and determine its continued influences on modern Hollywood production. Students will engage in discussion with filmic texts and about filmic text. This course can be taken for General Humanities credit.

FSDM 2003 Film Producing (3-0-3)
Film Producing will introduce students to the behind-the-scenes aspects of the business of the film industry. The

Film Studies & Digital Media (FSDM), continued

course will provide an examination of the role of the producer in both independent and studio production models. Students will follow the process of filmmaking from being greenlit all the way through distribution focusing on practical skills for the entertainment industries.

FSDM 2091-3 Special Topics in Film (Variable)
The Special Topics in Film course will provide students an opportunity to experience, interact, create, analyze, and/or critique different modes of film production, genre, style, and/or content. Course subject material will vary between offerings.

FSDM 2223 Advanced Editing & After Effects (0-3-3)
Advanced Editing & After Effects will extend the knowledge and practical skills acquired in the Basic Editing course. Students will work specifically with Avid Media Composer in preparation for the two-part certification exam for the software. Students will utilize Media Composer to learn workflow of a professional post-production studio as well as integration. Prerequisite: FSDM 1223 Basic Editing. There will be a lab fee of $10.00 for this course.

FSDM 2503 Production I (3-0-3)
Basic techniques for planning, shooting and editing of audio, video and online media. Coursework features field camera operation, audio and video recording, basic lighting techniques, and computer editing of audio and video media, as well as following a basic script. Course includes a laboratory component. Lab fee: $10.00. This course will be cross-listed with MCOM 2503 and MULT 2503.

FSDM 2543 Production II (0-3-3)
Production II expands on the basic techniques from MCOM 2503/MULT 2503/FSDM 1503. Coursework will expand field experience with camera operations with more professional equipment, audio and video recording, lighting, and editing. Students will produce a longer-form narrative or documentary feature that is 10-15 minutes in length. Lab fee: $10.00. Prerequisites: MCOM 2503, MULT 2503, or FSDM 2503.

FSDM 2913 Capstone in Film Studies (0-3-3)
Capstone in Film Studies serves as the program outcomes assessment. Students can enroll in this course during the semester they plan to graduate. Students, as a group or individually, will produce a short 15-30 minute feature narrative or documentary film. Prerequisite: FSDM 2543, FSDM 1103, MCOM 2093, FSDM 1213, FSDM 1313, and FSDM 1223.

FSDM 2923 Capstone in Digital Media (0-3-3)
Capstone in Digital Media serves as the program outcomes assessment. Students can enroll in this course during the semester they plan to graduate. Students will prepare and present a portfolio of work created through the program and develop a group digital media project. All projects can include any combination of video, digital photography, animation, computer graphics and design, and/or digitally created print media. Prerequisites: FSDM 2543, FSDM 1103, MCOM 2093, FSDM 1213, FSDM 1313 and FSDM 1223.

Geography (GEOG)

GEOG 1103 Elements of Human Geography (3-0-3)
A study of the earth as the home of human beings, including such factors as land forms, climate, minerals, economics, regions, water, population, and cultural patterns of the world.

GEOG 1114 Physical Geography (3-2-4)
This course offers a systematic introduction to the physical earth, including earth materials, landform processes, and resultant landforms. Topics of analysis include maps and globes, earth/sun relationships, climate and weather, and the shaping of landforms. Human interactions and impacts on the local, regional, and global environment are also discussed. During the lab, students complete exercises requiring “hands-on” use of geographical tools of interpretation. Cross-listed with PHSC 1114. Lab fee: $10. Prerequisite: MATH 0124.

GEOG 2443 World Regional Geography (3-0-3)
A study of the world's major geographic regions integrating the components of the political, historic, economic, social, and physical environments.

Geology (GEOL)

GEOL 1114 Physical Geology (3-2-4)
Study of the composition of the earth and the modification of its surface by internal and external processes. Includes examination of the Earth's interior, magnetism, gravity, position in space, minerals, rocks, structures, and geological processes. Field trip required. Lab fee: $15. Prerequisite: MATH 0144 or equivalent.

GEOL 1124 Historical Geology (3-2-4)
Study of the geologic history of the earth including the processes involved in the formation of the continents and oceans. The relationships of continents and oceans to the origin and evolution of life are examined within a time perspective. A field trip is required. Lab fee: $15. Prerequisite: GEOL 1114 or concurrent enrollment.

GEOL 2091-6 Special Topics in Geology (Variable)
Study of special topics and special interest courses in geology. These courses offer special instruction in current topics in geology. May consist of specialized geology courses offered to technical personnel of area companies, agencies, or other select groups in the community. Lecture and lab hours variable.

GEOL 2324 Rocks & Minerals (3-2-4)
The geologic study of mineral formulas, optics, systematic mineralogy, stability and solutions, and point-group symmetry and x-ray diffraction. Prerequisites: C or better in CHEM 1135 and MATH 1914, and completion of GEOL 1114 or GEOL 1124.

Geology (GEOL), continued

GEOL 2424 Sedimentology & Stratigraphy (3-2-4)
An advanced course that focuses on sedimentary processes, sedimentary rock formation, and stratigraphic interpretation of sedimentary sequences. Prerequisites: GEOL 1114 or GEOL 1124 & GEOL 2324 or permission of professor.

GEOL 2464 Soil Science Fundamentals (3-2-4)
An introduction to the chemical, physical, geological and environmental properties of soils. The classification, origins, distributions and morphology of soils and their influence on the ecosystem will also be addressed.

GEOL 2801 Capstone (1-0-1)
The capstone course integrates learning from the courses in the major with the courses from the rest of the academic experience. It requires the application of that learning to a project which serves as an instrument of evaluation. The project may include: 1) an internship approved by the professor; 2) a discussion of modern topics of interest in the Geosciences, or 3) a research paper on a professor-approved topic related to the Geosciences. Prerequisite: GEOL 2002 and permission of professor.

Geographic Information Systems (GIS)

GIS 1113 Introduction to Geographic Information Systems (3-0-3)
An introduction to Geographic Information Systems and their applications. Emphasizes the concepts needed to use GIS effectively for manipulating, querying, analyzing, and visualizing spatial-based data. Industry-standard GIS software is used to analyze spatial patterns in meteorological, geological, environmental, and other applications data, and to generate cartographic output from the analysis. Lab fee: $15.

German (GERM)

GERM 1115 Elementary German I (5-0-5)
This course is an introduction to the German language. Through study of German grammar, vocabulary, and pronunciation, this course emphasizes the development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in Germany. Prerequisite: ENGL 1113 or concurrent enrollment.

GERM 1225 Elementary German II (5-0-5)
This course is a continuation of Elementary German I. Through study of German grammar, vocabulary, and pronunciation, this course emphasizes the continuing development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in Germany. Prerequisite: GERM 1115.

GERM 2091-3 Special Topics in German (Variable)
Directed individual or class study of special topics in German. May be repeated with different topics. Permission of professor required.

Human Environmental Sciences (HES)

HES 2091-3 Special Topics in Home Economics (Variable)
Directed individual study of class in specific topics in Human Environmental Sciences. Topics to be determined by the program needs of students. May be repeated for a maximum of 3 credit hours. Permission of professor required.

HES 2323 Nutrition (3-0-3)
Nutrition is the study of nutrients in foods in relation to the physical development and health of a normal healthy person. Included is diet therapy needed during medical conditions that require specific dietary care.

History (HIST)

HIST 1013 World History I (3-0-3)
This course introduces students to political, social, and cultural connections and developments in non-Western civilizations from antiquity to the age of discovery.

HIST 1023 World History II (3-0-3)
This course introduces students to political, social, and cultural connections and developments in non-Western civilizations from the age of discovery to the present.

HIST 1113 Survey of East Asia, China, Japan, and Korea (3-0-3)
This is a general introduction to the history of East Asia that addresses China, Japan, and Korea. The time span covered extends from the Neolithic period to the modern era. Students will learn about major trends in the imperial courts and how Confucianism and Legalism are used to establish a web of influential relationships, cultural shifts in immigration and how it impacts regional identity, and intellectual explorations of the Dao and Buddhism, and cultural commonality that binds them in tangential ways. Through the examination of the history and dynamics of East Asia, students will learn how these nations formed into independent states and yet retain a common history.

HIST 1203 African American History (3-0-3)
This course is a survey of African-American history from the colonial period to the present. May be taken as Humanities credit for General Education requirement.

HIST 1413 Ancient & Medieval Civilization (3-0-3)
A survey of Western Civilization to about 1350 A.D. covering early human history, the civilization of the Ancient Near-East, Greece, and Rome, and the Middle Ages. May be taken as Humanities credit for General Education requirements.

HIST 1423 Europe: Renaissance to Waterloo (3-0-3)
A survey of Europe in the early modern period from about 1450 to the defeat of Napoleon at Waterloo in 1815. May be taken as Humanities credit for General Education requirements.

HIST 1433 Revolutionary Europe 1815-Present (3-0-3)
A survey of Europe from the end of the French Revolution to the turn of the 21st century. May be taken as Humanities credit for General Education requirements.

HIST 1483 U.S. History to 1877 (3-0-3)
This course is a general survey of American history from the colonial period to 1877.

HIST 1493 U.S. History Since 1877 (3-0-3)
This course is a general survey of American history from 1877 to the present.

HIST 2023 History of the Present (3-0-3)
This course will study history through the lens of current events and contemporary issues. Areas covered will vary, based on the instructor's expertise, to include topics like race, politics, sports, geography, religion, food, environment, immigration, mass incarceration, and/or globalization, among others. The goal of this course is to provide the historical context and agency for contemporary events and issues.

HIST 2091-3 Special Topics in History (Variable)
Directed individual study or class in specific topics in History. Topics to be determined by the program needs of student. May be repeated for a maximum of 3 credit hours. Permission of professor required.

HIST 2123 Aviation History (3-0-3)
This course chronicles the history of aviation through an in-depth study of powered flight and focus on the development of civil, commercial, and military aviation. Covers significant events and people throughout aviation history from the first powered flight through present day developments and a brief look into the future. Also examines the impact of aviation on recreation, transportation, warfare, and exploration. Cross-listed with AVI 2123.

HIST 2133 Women's History (3-0-3)
This course explores the significant contributions and events in U.S. women's history from the pre-colonial period to the present. May be taken as Humanities credit for General Education requirements.

HIST 2383 Power, Mobilization, and Revolution (3-0-3)
This course examines the roles that power structures, forces of mobilization, and revolutionary dynamics have played in the development of mass political movements across time and space. Topics will include revolutionary uprisings, radical political philosophies, civil rights issues, and the maturation of sociopolitical interest groups. The curriculum will encourage students to think critically and creatively about political institutions in order to understand what motivated revolutionary behavior; to explore how political reform movements lived and died in relation to the political systems in which they operated; and evaluate complex social and political phenomena and their changes over time. Cross-listed with POLS 2383.

HIST 2393 Oklahoma Tribal History (3-0-3)
This course is a survey of Native American history for the area known today as Oklahoma and the surrounding region centered on an Indigenous perspective.

HIST 2503 American Indian History (3-0-3)
This survey of American Indian people in North America assesses their role in shaping American history from pre-contact to the present. An emphasis will be placed upon how cultural values influenced Indian-European interactions, U.S. Indian policies, and how native cultures adapted over time. May be taken as Humanities credit for General Education requirement. Prerequisite: ENGL 1113.

HIST 2583 Introduction to LGBTQ+ History (3-0-3)
This course traces the contributions of lesbian, gay, bisexual, transgender and queer/questioning Americans to the larger historical narrative of the United States from the colonial

History (HIST), continued

period to the present. May be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1113.

HIST 2983 Historical Thinking (3-0-3)
This course will introduce students to the formative and creative tenets of the historical craft – developing research questions to significant problems, locating and evaluating primary and secondary sources, constructing arguments, and manipulating thesis-driven materials. It is intended for students who anticipate transferring into the teacher education programs at four-year institutions and eventually teaching in Oklahoma secondary schools. Prerequiste: ENGL 1113 and strongly suggest ENGL 1213.

Health, Physical Education & Recreation (HPER)

HPER 1102 First Aid (2-0-2)
This course is designed to provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life and minimize pain related to the consequences of injury or sudden illness until medical help arrives. The course content and activities will prepare participants to recognize emergencies and make appropriate decisions for first aid care. This course also emphasizes prevention of injuries and illness, with a focus on personal safety and health.

HPER 1113 First Aid/First Responder (3-0-3)
This course is designed to provide the professional rescuer, those who have a duty to respond in emergency situations (first responders) with the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of respiratory, cardiac emergencies, injuries and/or sudden illness until more advanced medical help can arrive. The course content will prepare students to make appropriate decisions about the care to provide in an emergency. This course will meet the CLEET First Aid objectives for students in the CJ/COP program.

HPER 1202 Health & Wellness (2-0-2)
This course introduces concepts which can lead to optimal health. It presents principles of good health and knowledge which can affect behavior patterns that lead to a healthy lifestyle.

HPER 1213 Introduction to Health & Sports Sciences (3-0-3)
This course is designed to introduce to potential majors in HPER the following: the history and philosophy of HPER, social foundations of physical education and sport, scientific foundations, career planning, the nature and people of HPER and contemporary issues. In addition this course also gives comprehensive standards and guidelines for the quality design and operation of health and fitness facilities. For HPER majors, this course must be taken before or concurrently with the courses listed under Program Requirements on the degree sheet.

HPER 1222 Concepts of Fitness (2-0-2)
Theory and practice of basic health and skill related aspects of fitness. Included in coursework are evaluations of personal fitness levels of cardiovascular endurance, body composition, muscle strength, muscle endurance and flexibility. Other topics include training principles, nutrition, stress, back pain and exercises to avoid. Prerequisite/corequisite: HPER 1213.

HPER 1301 Physical Education Participation (0-2-1)
Instruction in various skill related and/or health related movement activities. Lab includes directed physical activity to improve one's skill and health aspects of fitness. Each activity will be specified in the class schedule for each semester. Fee: $10.

HPER 1311 Beginning Swimming (0-2-1)
This course will integrate the skills related to the diverse activities in the water with a common theme of safety, in, on, and around the water and to provide the student with information and resources to make participation in aquatic activities a lifetime pursuit. Fee: $10.

HPER 1321 Intermediate Swimming (0-2-1)
This course will integrate the skills related to the diverse activities in the water with a common theme of safety in, on, and around the water and to provide the student with information and resources to make participation in aquatic activities a lifetime pursuit. Fee: $10.

HPER 1331 Aquatic Fitness (0-2-1)
An exercise class designed to utilize the water's natural resistance and buoyancy to improve the student's cardiovascular endurance and muscular endurance and strength in a vertical position in shallow and deep depths. Swimming skills are not a requirement. Use of flotation and resistive devices may be incorporated but is optional. Fee: $10.

HPER 1351 Tennis (0-2-1)
This course will emphasize the development of the fundamental skills of tennis. Rules, terminology and etiquette will also be discussed. Racquet and balls will be provided. (Student may use his/her own personal racquet.) Fee: $10.

HPER 1361 Beginning Volleyball (0-2-1)
This course is designed to teach anyone with an interest in the game, the proper skills and fundamentals. This course will allow them to practice and develop those skills through the repetition of drills and game situations. The proficiency of these skills can be used to help individuals better enjoy a lifetime activity. Fee: $10.

HPER 1371 Intermediate Volleyball (0-2-1)
The Intermediate Volleyball course is designed for the more serious player, to take each individual a step beyond the beginning volleyball course. This course will help each player develop their individual skills and teach them more team aspects of the game. Fee: $10.

HPER 1391 Weight/Resistance Training (0-2-1)
Students will gain a working knowledge of weight/resistance training principles and their application. This may include the proper use of free weights, tubing, calisthenics, exercise balls, medicine balls, stabilization training and weight machines. Fee: $10.

Health, Physical Education & Recreation (HPER), continued

HPER 1401 Group/Cardio Fitness (0-2-1)
Group/Cardio Fitness classes combine a variety of movements choreographed into a set of routines that improve cardiovascular endurance, coordination, and rhythm. Some class sets may include step benches and routines to improve muscular endurance (toning) and flexibility. Fee: $10.

HPER 1411 Pilates (0-2-1)
An exercise class based on the teachings of Joseph Pilates designed to improve the students' core strength, balance and coordination, and flexibility through a series of exercise to music. Resistive equipment such as tubing bands or balls may be used. Each student is encouraged to exercise at his/her own ability to achieve improved overall fitness, establishing a foundation toward a healthy lifestyle and improves self-esteem and self-confidence. Fee: $10.

HPER 1421 H2O Strength Training (0-2-1)
This class is designed to use the resistive and buoyant qualities of water to improve muscular strength, core strength, balance, coordination, and posture. A variety of resistance equipment such as handheld weights, body bars, resistance tubing, bands, and flotation devices will be used. No prior swimming ability required. Fee: $10.

HPER 1431 Zumba® (0-2-1)
Zumba® is a Latin-inspired, dance-fitness class that incorporates Latin and international music and dance movements. This class format combines fast and slow rhythms that tone and sculpt the body in an aerobic-fitness fashion. This class integrates basic principles of aerobic, interval, and resistance training. Fee: $10.

HPER 1451 Yoga (0-2-1)
Yoga is a practice of physical postures, integrated with the breath, to release tensions and promote strength and flexibility of body, mind, and emotions. This simple practice is accessible to everyone, at any age, in any physical condition. Fee: $10.

HPER 1461 Cardio/Yoga/Strength (1-0-1)
Cardio/Yoga/Strength combines the best of yoga, strength training, and aerobics. Yoga is a practice of physical postures, integrated with breathing, to release tension and promote strength and flexibility of body, mind, and emotions. Strength training will include the use of hand-held weights, resistance tubing and/or stability ball. The aerobics portion of the class combines a variety of movements choreographed into a set of routines that improve cardiovascular endurance, coordination, and rhythm. Some class sets may include step benches and routines to improve muscular endurance. Fee: $10.

HPER 1471 Aerobic Kickboxing (0-2-1)
This course joins martial arts and group exercise in a union that provides an optimal workout for participants of all skill and fitness levels. Participants will learn the fundamental movements drawn from martial arts, and implement the techniques to improve overall fitness. Fee: $10.

HPER 1491 Tai Chi (1-0-1)
Tai Chi has been described as meditation in motion or a gentle martial art. In fact, it is both. Based on the circular, flowing movements of Yin and Yang, Tai Chi is an exercise system that can reduce stress and lower blood pressure, improve the cardiovascular system, increase balance, coordination, mobility and flexibility, boost one's immune system, and stimulate the flow of "Chi" (our body's life force). The practice of Tai Chi can be performed by people of ALL ages.

HPER 1501 Boot Camp (1-0-1)
All ability levels will benefit from this group exercise class that mixes traditional calisthenics and body weight exercises with interval training and strength training. Expect to burn fat, build muscle, reduce stress, increase energy, and boost confidence. Equipment such as BOSU balls, medicine balls, free weights, and resistance tubing may be used. An efficient and fun workout, boot camp fitness class challenges you to push outside your comfort zone by providing encouragement rather than intimidation. Fee: $10.

HPER 1511 Pickleball (1-0-1)
Pickleball is a paddle sport that combines elements of tennis, badminton, and ping-pong using a paddle and plastic ball with holes. It is a game that is appropriate for players of all ages and skill levels.

HPER 1521 Suspension Training (0-2-1)
Suspension Training is an intense workout that utilizes heavy-duty adjustable straps anchored to the ceiling, allowing gravity and body weight to serve as resistance. This workout is suitable for participants of all ages and skill levels, as individuals can easily adjust the difficulty by changing their body angle. Lab fee $10

HPER 1531 Zumba®/Toning (1-0-1)
Zumba®/Toning is a dance-fitness class that incorporates Latin and international music and dance movements. This class format combines fast and slow rhythms that tone and sculpt the body in an aerobic/fitness fashion. This class integrates basic principles of aerobic, interval, and resistance training. Fee: $10.

HPER 1541 Hip Hop Fitness (1-0-1)
This class is an intense calorie-burning cardio class that will focus on Hip Hop, Latin, and many other international dance moves. No dance experience needed to participate.

HPER 1551 Barre Fitness (1-0-1)
This class is a fluid/flowing combination of pilates, yoga, and ballet movements that improve functional strength focusing on proper alignment and posture to improve balance, coordination, body awareness, and confidence. No dance experience is required and all fitness levels should see improvement. Resistive equipment (i.e. bands, tubing, hand weights, balls) may be added/used for extra challenges both in the standing and floor segments; foam rollers and/or body bars may be used to assist with balance or in place of the barre for standing movements.

HPER 1902 Recovery in Sports and Exercise (2-0-2)
This course is designed to address recovery strategies in exercise and sports. The focus of this course is on implementing appropriate recovery strategies to reduce injuries, and improve performance. Course curriculum will explore physiological processes involved in training and recovery and theraputic exercises such as yoga, core training, rehabilitation exercises, and meditation.

Health, Physical Education & Recreation (HPER), continued

HPER 2091-3 Special Topics in Health, Physical Education & Recreation (Variable)
Directed individual study or class in specific topics in Health, Physical Education and Recreation. Topics to be determined by the program needs of students. May be repeated for a maximum of 3 credit hours. Permission of professor required.

HPER 2333 Sport Nutrition (3-0-3)
This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. Prerequisite/corequisite: HPER 1213.

HPER 2612 Legal Aspects of Health & Sports Sciences (2-0-2)
The purpose of this course is to provide students with an understanding of the legal responsibilities pertaining to persons in the fields of HPER and personal training including application and interpretation of law. Prerequisite/corequisite: HPER 1213.

HPER 2623 Physiology of Exercise (3-0-3)
This course will examine the physiological effects of exercise, the responses and adaptations of body systems to exercise, the essentials of an adequate diet, and the function of nutrients in exercise. Prerequisite/corequisite: HPER 1213.

HPER 2633 Principles of Personal Training (3-0-3)
Prep course for National Strength and Conditioning Association (NSCA)-Certified Personal Trainer (CPT) exam. This course provides in-depth coverage of the knowledge, skills, and abilities required of personal trainers. Special coverage is given to exercise technique, including teaching approaches involving free-weight and machine exercises, cardiovascular activities, flexibility, and speed training. Prerequisite/corequisite: HPER 1213.

HPER 2643 Applied Anatomy (3-0-3)
This course is a study of osteology, skeletal structure, neuromuscular system, and fundamentals of human anatomical structure with an emphasis on application to human movement. The ability of the musculoskeletal system to function simultaneously and systematically to produce human movement will be the primary objective of the course. Prerequisite/corequisite: HPER 1213.

HPER 2701-3 Health & Sports Sciences Practicum (Var.)
The practicum is offered in collaboration with selected agencies and programs throughout the State of Oklahoma. The student is placed in a program or agency under the approved supervision for the purpose of developing professional skills and values. Prerequisite/corequisite: HPER 1213.

Health Sciences Allied Dental Courses (HSAD)

HSAD 1243 Advanced Clinical Procedures (2-4-3)
Theory and applied clinical experiences in the expanded duties of nitrous oxide, coronal polishing and pit and fissure sealant placement. Physiology of nitrous-oxide analgesia, its use, precautions, and administration procedures. Lab fee: $10. Permission of Program Director required.

Health Sciences Basic Courses (HSBC)

HSBC 1104 Anatomy & Physiology (4-0-4)
A study of functional anatomy with an emphasis on basic principles of physiological activities of the different systems of the body.

HSBC 1113 Medical Terminology (3-0-3)
This course covers the Greek and Latin prefixes, suffixes, adjectives, verbs, and the anatomical roots, and includes the terms for major diseases, examination, and diagnosis.

HSBC 1121 Medical Ethics (1-0-1)
This survey course considers medical issues as they apply to the inter-relationships of health personnel, patients, physicians, and community. Various ethical issues are examined including confidentiality, informed consent, death and dying, euthanasia, abortion, and distribution of medical resources.

HSBC 1141 Basic Life Support Provider (1-0-1)
This course presents the American Heart Association (AHA) requirement for Cardio-Pulmonary Resuscitation (CPR). Participants will learn to recognize several life-threatening emergencies, provide CPR, use an Automated External Defibrillator (AED), and relieve choking in a safe, timely, and effective manner. The course includes adult, child, and infant rescue lessons for in-hospital/clinic settings. To obtain a Basic Life Support (BLS) course completion card, students must show competency on the skills test and the written exam. Lab fee: $10.

HSBC 1224 Introduction to Clinical Microbiology (3-2-4)
This course is designed for the health care professional. Basic introductory course in microbiology as related to the health care professional; consideration will be given primarily to the pathogenic microorganisms, including bacteria, virus, rickettsiae, fungus and protozoa. Emphasis will be placed on diseases caused by microorganisms, aseptic technique, and control of nosocomial infections. Lab fee: $15.

HSBC 2091-8 Special Topics in Health Sciences (Variable)
Selected topics in specialized areas of Health Sciences. May be repeated with a change in subject matter for up to a total of 8 hours credit.

HSBC 2103 Human Pathology (3-0-3)
This course is an introduction to the study of the abnormalities of structure and function of the human body resulting in disease. Knowledge of the normal structure and function of the body is required prior to enrolling in this course. Prerequisite: HSBC 1113 and one of the following HSBC 1104, HSBC 2114 or BIOL 2424

HSBC 2114 Human Anatomy (3-2-4)
This course is an introductory study of human anatomy using models and mammalian dissection. Lab and lecture are integrated with 3 hours lecture and 2 hours of lab each week. Prerequisite: HSBC 1113, equivalent, or permission of professor. Lab fee: $15.

Health Sciences Dental Assisting (HSDA)

HSDA 1112 Dental Assisting (2-0-2)
Introduction to the career of dental assisting, with emphasis on its history, organization, and guidelines; basic dental terminology; introduction to the techniques of prevention, control, and patient motivation; basic procedures in first aid, emergencies, and the handling of special-needs patients. Permission of Program Director required.

HSDA 1124 Clinical Procedures I (2-4-4)
Application of beginning principles and procedures of chairside assisting for various dental procedures; beginning clinical experience in general assisting techniques utilizing 4-handed dentistry concepts with patient contact. Lab fee: $10. Permission of Program Director required.

HSDA 1134 Dental Sciences I (4-0-4)
Introductory principles of microbiology including study of oral microorganisms, sources and modes of transmission of oral infections; dental anatomy with emphasis on structures of the oral cavity, terminology, tooth morphology; embryology and histology of the head region and oral cavity. A basic survey of head and neck anatomy principles is included. Permission of Program Director required.

HSDA 1143 Dental Materials (2-2-3)
Composition, properties, and classification of materials commonly used in dentistry with concentrated lab practice in their preparation and manipulation. Lab fee: $10. Permission of Program Director required.

HSDA 1153 Dental Radiography (2-2-3)
Principles of dental radiography including radiation, physics, biology, and procedures for radiation protection; techniques for exposing, scanning, and orienting dental radiographic images; patient management; special and accessory radiographic techniques. Lab fee $10. Permission of Program Director required.

HSDA 1215 Clinical Procedures II (3-4-5)
A continuation of HSDA 1124 with introduction to chairside dental assisting for the various recognized dental specialties; experience in basic expanded functions including actual patient contact. Radiographic experience in order to ensure quality assurance in exposing and processing dental radiographs. Lab fee: $10. Permission of Program Director required.

HSDA 1225 Dental Sciences II (5-0-5)
A continuation of HSDA 1134. Introduction to fundamentals of anatomy and physiology, pharmacology and pathology as they relate to the oral cavity, basic diet and nutrition principles, including diet counseling in cavities prevention and control. Permission of Program Director required.

HSDA 1232 Practice Management (2-0-2)
Survey of dental practice management, including business and office procedures, public relations, and skills for seeking employment. Ethical and legal aspects of dentistry including legal functions for Oklahoma dental assistants. Permission of Program Director required.

HSDA 1241 Correlation Seminar (1-0-1)
Orientation to HSDA 1252 and HSDA 1353 which includes familiarization with extramural settings, operations, and evaluation procedures. Review of chairside procedures, student experiences, and discussions relating to national credentials. Lab fee: $10. Permission of Program Director required.

HSDA 1252 Dental Assisting Practicum I (0-16-2)
Applied clinical experience in chairside assisting in various clinics. Permission of Program Director required.

HSDA 1353 Dental Assisting Practicum II (1-38-3)
Field experience and dental assisting techniques including 4-handed dentistry concepts, radiographic techniques, and assisting in operative and specialty procedures. Permission of Program Director required.

Health Sciences Dental Hygiene (HSDH)

HSDH 1105 Dental Hygiene I (3-6-5)
Introduction to personal oral hygiene care and patient instruction; initiation of clinical procedures including instrumentation used in oral prophylaxis; introduction to oral inspection procedures including procedures for obtaining pertinent patient medical/dental information. Lab fee: $10. Permission of Program Director required.

HSDH 1113 Dental Embryology, Histology & Anatomy (3-0-3)
The course provides a study of embryonic development of the face and oral cavity, the basic tissues composing human organs, histology of dental tissues, normal tooth development, and dental anomalies. Dental anatomy focuses on form and function of permanent and deciduous human teeth. Emphasis is placed on identification of teeth and on knowledge of tooth form and contour for instrument adaptation. Permission of Program Director required.

HSDH 1205 Dental Hygiene II (3-8-5)
Clinical practice in oral prophylaxis, application and reinforcement of topics introduced in HSDH 1105 with introduction of auxiliary clinical procedures; anatomy of the head and neck with emphasis on structures related to oral cavity. Lab fee: $10. Permission of Program Director required.

HSDH 1213 Dental Materials (2-2-3)
Composition and properties of materials commonly used in dentistry with lab practice in their preparation and manipulation. Lab emphasis on legalized functions for the dental hygienist relating to dental materials. Lab fee: $10. Permission of Program Director required.

Health Sciences Dental Hygiene (HSDH), continued

HSDH 1222 Dental Radiography (1-2-2)
Principles of dental radiography including radiation, physics, biology, and procedures for radiation protection; techniques for exposing, scanning, and orienting dental radiographic images; patient management; special and accessory radiographic techniques. Lab fee $10. Permission of Program Director required.

HSDH 1241 Periodontics I (1-0-1)
Study of the supporting structures of the teeth in health and disease states with emphasis on clinical appearances, cause of periodontal disease, types of periodontal diseases, histopathogenesis, and microorganisms in gingivitis and periodontitis, correlation between systemic health and periodontal health and recognition and treatment of periodontal emergencies. Also includes instruction in the use of Gracey curets and their sharpening. Permission of Program Director required.

HSDH 2305 Dental Hygiene III (1-20-5)
A continuation of HSDH 1205. Introduction of additional patient treatment procedures; adaptation of clinical procedures in special patient care; clinical application of radiography and periodontics; lab experience in administration of nitrous oxide analgesia and local anesthesia. Seminars on additional subjects related to dental hygiene practice. Assignments at affiliated clinics will be arranged. Lab fee: $10. Permission of Program Director required.

HSDH 2312 Community Dental Health I (2-0-2)
Introduction to the scientific research process through the scientific method, manipulation of variables, research designs, data collection, interpretation of data, and presentation of findings. Role of fluoride in public health and the prevalence and incidence of dental diseases. Introduction to the learning process in relation to public health education. Active participation in community projects is also required. Lab fee: $10. Permission of Program Director required.

HSDH 2323 Pathology for the Dental Hygienist (3-0-3)
Introduction to general pathology; clinical application to disease of the oral cavity including manifestations of inflammation, degenerative changes, neoplastic disease and developmental anomalies; visual differentiation between normal and abnormal oral tissues and conditions. Permission of Program Director required.

HSDH 2331 Periodontics II (1-0-1)
A continuation of HSDH 1241 including the use of various periodontal assessment tools in addition to different types of Gracey curets and application of advanced instrumentation techniques, powered instrumentation, phases of periodontal therapy including treatment planning and principles of scaling and root planning, principles of periodontal surgery, the use of chemotherapeutics, and the role of occlusion. Also includes the immunologic aspects of periodontal disease. Permission of Program Director required.

HSDH 2343 Pharmacology/Anxiety & Pain Control (3-0-3)
General principles of pharmacology; modes of administration and effects on organs and systems of the body; special emphasis on drugs used in dentistry, their sources, preparation and therapeutic uses. Principles of general anesthesia and agents used. Physiology of dental local anesthesia, its use, precautions, and administration procedures. Clinical experiences in administration of nitrous-oxide analgesia and local anesthesia are received in HSDH 2305 and HSDH 2405 clinic. Lab fee $10. Permission of Program Director required.

HSDH 2405 Dental Hygiene IV (1-20-5)
A continuation of HSDH 2305. Refinement of clinical skills and introduction of additional patient treatment procedures; clinical experience in administration of nitrous oxide analgesia and local anesthesia. Seminar on additional subjects related to dental hygiene practice. Assignments at affiliated clinics will be arranged. Lab fee: $10. Permission of Program Director required.

HSDH 2413 Community Dental Health II (3-0-3)
A continuation of HSDH 2312. Introduction to public health education and opportunities for dental hygienists in the field of public health dentistry. Instruction includes the role of dental auxiliaries, career perspectives, history of dental public health, principles of learning and motivation, methods of planning, instructional methods and materials, resources and quality control techniques. Dental health needs, resources and objectives are presented concurrently with the delivery of dental care and financing. Active participation in community projects is required. Lab fee: $10. Permission of Program Director required.

HSDH 2423 Practice Administration (3-0-3)
Survey of dental practice management; business and office procedures including recall systems; professional responsibilities of the dental hygienist with emphasis on ethical and legal aspects of dental and dental hygiene practice; psychology and philosophies of patient management. Practicum may be arranged. Permission of Program Director required.

HSDH 2431 Periodontics III (1-0-1)
A continuation of HSDH 2331 with emphasis on a self-directed approach to research on literature topics relevant to dental hygiene in the field of periodontics, as well as evidence-based decision making. Additional didactic emphasis is placed on power scalers, implant maintenance, subgingival chemotherapeutic device placement, and phase I re-evaluation. Permission of Program Director required.

HSDH 2502 Dental Hygiene Licensure Preparation (2-0-2)
Preparation and orientation for clinical dental hygiene licensing examination including regional examination format; examination logistics and materials; and patient selection by candidate. Course includes availability of clinical facility for patient screening; equipment, supplies and liability insurance for regional clinical examination. This course is available to students who are in the second eight weeks of their fourth semester of the Dental Hygiene Program. Lab fee $10. Permission of Program Director required.

Health Sciences Health Information Management (HSHI)

HSHI 1104 Introduction to Health Information (3-2-4)
This course covers the history and development of the health information management profession and professional ethics. Emphasis is placed on basic functions of a health information department, paper and electronic record format, content including documentation standards, and guidelines specific to acute care hospital accreditation standards, state licensing, and Medicare certification requirements. Introductions to other settings including ambulatory, rehabilitation, long-term care, home health, and mental health will also be addressed. Health care delivery systems and current health care professions are discussed. Laboratory Fee: $10. Prerequisites: HSBC 1113 or concurrent enrollment. Permission of Program Director required.

HSHI 1113 Healthcare Law and Compliance (3-0-3)
This course examines the ethical and regulatory requirements necessary to manage and protect health information. It is a study of laws that pertain to health information, specifically those relating to privacy, confidentiality, and patient autonomy. It introduces the American legal system and legal terminology, reviews current health care legislation, and the essentials of a health care compliance program. Commonly used legal terminology is emphasized. Permission of Program Director required.

HSHI 1213 Health Information Statistics & Data Display (3-0-3)
This course emphasizes commonly computed health care statistics and basic statistics, related terminology, vital records, analysis and presentation of data, introduction to basic research principles, and institutional review board functions. Software applications are utilized. Permission of Program Director required. Prerequisite: HSHI 1104.

HSHI 1222 Professional Practice Experience I (0-4-2)
This course offers the coordination and supervision of clinical learning experiences in affiliating health care facilities and/or program laboratory. Permission of Program Director required. Prerequisite: HSHI 1104.

HSHI 1233 Ambulatory Coding (3-0-3)
This course is an in-depth presentation of principles and guidelines to accurately code and sequence ambulatory procedures using various classification and clinical terminology systems with a special emphasis on Current Procedural Terminology and the Outpatient Prospective Payment System. Coding exercises and specialized software are utilized to demonstrate understanding. Prerequisites: HSBC 1113, HSBC 1104, HSHI 1104. Permission of Program Director required.

HSHI 1243 Health Data Management (2-2-3)
This course will focus on data creation, storage, integrity and exchange as it is utilized in the health information profession. Specific focus will be placed on the development and maintenance of healthcare-related databases, creation and evaluation of data dictionaries and data sets, managing data, data security, as well as the standards for health information exchange. Prerequisite: HSHI 1104. Permission of Program Director required.

HSHI 2091-3 Directed Studies in Health Information (Variable)
Selected topics in specialized areas of health information. May be repeated with a change in subject matter for up to a total of 3 credit hours. Will not satisfy any of the credit hour requirements for an associate degree program. Permission of Program Director required.

HSHI 2203 ICD Coding I (2-2-3)
This course provides an in-depth presentation of principles and guidelines to accurately code and sequence diagnoses and procedures using various classification systems and nomenclatures with a special emphasis on ICD. Coding exercises are utilized to demonstrate understanding. Lab fee: $10. Permission of Program Director required. Prerequisites: HSBC 1113 and HSBC 1104. Co-requisites: HSBC 2103 and HSHI 1104.

HSHI 2213 Health Information Management (2-2-3)
This course is a study of management with application to health information management functions. Management functions of planning, decision making, organizing, staffing, directing, and controlling, as well as revenue cycle and financial management are emphasized. An overview of legal and regulatory requirements affecting human resource management is included. Laboratory Fee: $10. Permission of Program Director required. Prerequisites: HSHI 1104 and HSHI 1213.

HSHI 2222 Professional Practice Experience II (0-4-2)
This course is a continuation of HSHI 1222. Practical experience is broadened in affiliating health care facilities and/or program laboratory. Permission of Program Director required. Prerequisite: HSHI 1222.

HSHI 2223 Healthcare Reimbursement & Revenue Cycle Management (3-0-3)
This course is a study of US healthcare reimbursement methodologies and payment systems with emphasis on management of revenue cycle processes. Compliance with coding and billing regulatory requirements is evaluated. Permission of Program Director required.

HSHI 2232 Quality Improvement (2-0-2)
This course covers the practical application of quality, utilization, risk management, case management, critical pathways, and medical staff services including credentialing. Current national initiatives designed to manage and improve the quality and safety of patient care are introduced. Permission of Program Director required. Prerequisites: HSHI 1104, HSHI 1213, and HSHI 1113, or concurrent enrollment.

HSHI 2332 Health Information Seminar (2-0-2)
This course includes a survey of current practices and trends in health information management with emphasis on the electronic health record (EHR) and health information systems. Resume writing, interviewing and preparing for the RHIT (Registered Health Information Technologist) examination are included in the course. This capstone course should be taken in the student's last semester of study. Permission of Program Director required. Prerequisites: HSHI 1113, HSHI 2203, HSHI 2213, and HSHI 2222.

Health Sciences Health Information Management (HSHI), continued

HSHI 2423 ICD Coding II (3-0-3)
This course is a continuation of HSHI 2203 with emphasis on utilizing specialized software for more complex ICD code assignments and groupings to demonstrate understanding. Validation of coding and grouping accuracy, compliance with regulatory requirements and reimbursement methodologies, creation of compliant physician queries and adherence to ethical standards of practice will be emphasized. Lab Fee $10. Prerequisites: HSHI 2203, HSBC 2103. Permission of Program Director required.

HSHI 2572 Coding Practicum (2-0-2)
In this course students use inpatient and outpatient (e.g., ambulatory surgery, emergency department, physician office, case studies and patient records) to assign codes to diagnosis/procedure statements. Coding and grouping software is utilized with emphasis on ICD-10-CM and ICD-10-PCS coding and DRG assignment, CPT coding and APC assignment. Coding audits and management of coding services are covered. Permission of Program Director Required. Prerequisite: HSHI 2203. Co-requisites: HSHI 2423, HSHI 1233.

HSHI 2631 Pharmacology for Health Information (1-0-1)
This course presents basic pharmacology concepts used to ensure accurate and complete identification of diagnosis and procedures when coding medical records/health information. Permission of Program Director required.

Health Sciences Medical Laboratory Technology (HSML)

HSML 1103 Introduction to the Medical Laboratory (3-0-3)
A study of the lab environment including lab safety, equipment, instrumentation, vocabulary, and quality control/quality assurance. Includes the principles and techniques used in urinalysis. Permission of Program Director required.

HSML 1114 Hematology/Hemostasis (2-2-4)
A study of the normal process of blood cell production and hemostasis, including common lab testing methods, diagnostic procedures related to whole blood, disease, theory of coagulation. Instruction in blood collecting techniques, handling of clinical speciments, and basic patient care will be included (phlebotomy). Emphasis is placed on microscopic analysis of normal and abnormal blood cells. This course is held the first 8 weeks of the Fall semester. Lab fee: $10. Permission of Program Director required.

HSML 1122 Immunology and Serology (2-2-2)
A study of the immune system, antigen-antibody reactions and the application of these reactions in serology detection procedures in disease and infection. Lab fee: $10. Permission of Program Director required.

HSML 1202 Urinalysis (2-2-2)
This course is designed for the study of body fluids other than blood. Studies will focus on the analysis of cerebrospinal fluid; seminal fluid; amniotic, synovial, serous fluid, and urine. Lab fee $10. Permission of Program Director required.

HSML 1213 Hematology II (2-2-3)
The second portion of the study of hematology focuses on disease processes commonly seen in the medical laboratory. These include anemias and leukemias. Emphasis is placed on the microscopic analysis of blood cells and their abnormalities. This course is held the second 8 weeks of the Spring semester. Lab fee: $10. Permission of Program Director required. Prerequisite: HSML 1113.

HSML 1221 Phlebotomy (1-0-1)
Theory and technique of proper collection of blood samples for diagnostic, therapeutic, and prognostic purposes. Includes arterial, capillary, and venous collection in adults and children. Lab fee: $10. Permission of Program Director required.

HSML 1224 Immunohematology (2-2-4)
A study of the basic principles of blood banking and the techniques involved in various phases of blood banking in clinical situations. The course covers pre-transfusion testing, compatibility testing, blood and blood components and their use in transfusion therapy, hemolytic disease of the newborn, and transfusion acquired infectious diseases. Lab fee: $10. Permission of Program Director required.

HSML 2413 Laboratory Practicum I (0-8-3)
Experience, training, and evaluation in local hospital labs under supervision of pathologists, staff technologists, and MLTs. Permission of Program Director required.

HSML 2415 Clinical Analytical Chemistry (4-3-5)
Application of instrumentation and manual techniques for quantitative analysis of body fluids. Lab fee: $10. Permission of Program Director required. Prerequisites: CHEM 1114 and CHEM 1124.

HSML 2513 Laboratory Practicum II (0-8-3)
Experience, training, and evaluation in local hospital labs under supervision of pathologists, staff technologists, and MLTs. Permission of Program Director required.

HSML 2515 Pathogenic Microbiology (4-3-5)
A study of the pathogenic microorganisms of man. Includes pathogenic bacteria, fungi, and parasites. Emphasis placed upon identification of the microorganisms. Includes morphology, physiology, etiology, and growth characteristics of the organisms. Lab fee: $10. Permission of Program Director required. Prerequisite: HSBC 1224 or BIOL 2035.

HSML 2613 Laboratory Practicum III (0-8-3)
Experience, training, and evaluation in local hospital labs under supervision of pathologists, staff technologists, and MLTs. Permission of Program Director required.

HSML 2713 Laboratory Practicum IV (0-8-3)
Experience, training, and evaluation in local hospital labs under supervision of pathologists, staff technologists, and MLTs. Permission of Program Director required.

Health Sciences Nursing Science (HSNS)

HSNS 1111 Introduction to Professional Nursing Skills (1-0-1)
This course for the beginning professional nursing student is an introduction to and application of primary nursing skills. The focus is a mastery of basic nursing skills and competencies for a variety of health care settings using the nursing process and clinical judgement model as the foundation for all nursing inverventions. Lab fee $10. Permission of Program Director required.

HSNS 1118 Professional Nursing Concepts I (4-10-8)
This course for the beginning professional nursing student provides the foundation upon which subsequent nursing courses are built. The student is introduced to beginning-level concepts and skills. The nursing process and professional practice roles are expanded upon. Campus lab and clinical experiences facilitate psychomotor application of concepts, principles and skills in the provision of nursing care for persons across the lifespan who are well or experiencing common acute and chronic alterations in health. Acceptance into the Nursing Science Program and permission of the Program Director required. Lab fee: $10. Prerequisite: HSNS 1011.

HSNS 1214 Concepts for Transition to Professional Nursing Practice (3-2-4)
This course is for students applying for admission to the Career Ladder Track. Concepts for transition into professional nursing practice are presented. Activities are designed to expand academic skills and prepare students for higher-level thinking through use of enhanced study skills and clinical reasoning strategies. Psychomotor skills and competencies are evaluated and enhanced through directed activities. Permission of the Program Director is required. Successful completion of the LPN Challenge Exam may also be required. Lab fee $10.

HSNS 1219 Professional Nursing Concepts II (5-8-8)
Building on HSNS 1118, concepts and skills necessary to the provision of professional nursing care for persons across the lifespan experiencing common acute chronic health alterations are expanded. Concepts related to the provision of nursing care for persons with mental health and behavioral challenges and for specialized care of the aging population are also emphasized. Skills necessary to build relationships and confidence in the practice of professional nursing are enhanced. Includes a campus lab period in which psychomotor applications of concepts, principles, and skills are expanded. Permission of Program Director required. Lab fee: $10. Prerequisites: HSNS 1111 and HSNS 1118.

HSNS 2091-6 Directed Studies in Nursing (Variable)
Selected topics in specialized areas of nursing and health care. May be repeated with a change in subject matter for up to a total of 8 hours credit. Will not satisfy any of the credit hour requirements for an associate degree program.

HSNS 2119 Professional Nursing Concepts III (5-8-8)
This course builds on the concepts introduced in the first year of the nursing program and is the entry point for Career Ladder Track. Concepts affecting the provision of professional nursing care for persons across the lifespan experiencing more complicated acute and chronic illnesses are developed. Reproductive health and pediatric issues are emphasized. Includes campus lab and clinical experiences in which psychomotor applications of concepts, principles, and skills are expanded. Management and leadership skills are strengthened. Acceptance in the Nursing Science Program and permission of the Program Director required. Lab fee: $10. Prerequisites: HSNS 1111 or 1214, HSNS 1118, and HSNS 1219.

HSNS 2219 Professional Nursing Concepts IV (4-11-8)
This course focuses on the integration of previously learned concepts and skills into the provision of nursing care for person(s) experiencing complex acute and chronic illnesses. Includes campus lab and clinical experiences in which psychomotor applications of concepts, principles, and skills are expanded. Management and leadership skills are further strengthened through application of concepts during precepted clinical experiences. Activities are aimed at preparing the student for assumption of the first position as a registered nurse. Permission of the Program Director required. Lab fee: $10. Prerequisites: HSNS 1111 or 1214, HSNS 1118, HSNS 1219, and HSNS 2119.

Health Sciences Phlebotomy (HSPC)

HSPC 1234 Comprehensive Phlebotomy (3-2-4)
Basic procedures in phlebotomy plus special procedures. Overview of anatomy and physiology, vital signs, techniques, lab organization, infection control, quality control procedures, and lab safety. Lab fee: $10. Admission into the program is required.

HSPC 1344 Phlebotomy Practicum (0-25-4)
Practical knowledge gained through experience in an area hospital. Includes venous and capillary blood collection. Pediatric and arterial blood collections are observed. Prerequisite: HSPC 1234.

Health Sciences Respiratory Therapist (HSRT)

HSRT 2091-3 Directed Studies in Respiratory Care (Var.)
Selected topics in specialized areas of respiratory care. May be repeated with a change in subject matter for up to a total of 3 credit hours. Will not satisfy any of the credit hour requirements for an associate degree program. Permission of Program Director required.

HSRT 2103 Pulmonary Diagnostics (2-2-3)
An introduction to diagnostic procedures. Special emphasis is placed on pulmonary function testing and interpreting test results. Also included are bronchoscopy assisting, sleep studies, cardiopulmonary exercise testing, cardiopulmonary rehab, and home care. Lab fee: $10. Permission of Program Director required.

HSRT 2114 Respiratory Therapy Procedures I (3-4-4)
An introduction to respiratory therapy, this course includes infection control and sterilization, physical assessment and chart review, radiologic assessment of the chest, gas physics, medical gas therapy and delivery systems, humidity and aerosol therapy, lung expansion therapy and coughing techniques, secretion clearance techniques, and manual resuscitators. Lab fee: $10. Permission of Program Director required.

HSRT 2202 Respiratory Therapy Procedures II (1-2-2)
This course is a continuation of HSRT 2114 and focuses on the theory, skill performance, troubleshooting, and modification of advanced level cardiopulmonary therapeutics. This includes arterial blood gas sampling and analysis, basic and emergency airway management, endotracheal intubation and extubation, tracheostomy tube management, specialty airway placement, electrocardiography, and waveform capnography. Lab fee $10. Permission of Program Director required.

HSRT 2211 Ethics & Health Care Systems for Respiratory Care Practitioners (1-0-1)
Includes key organizational and operational elements of health care delivery organization and delivery of respiratory care services in the acute care setting, as well as ethics and legal standards applied to the practice of respiratory care.

HSRT 2213 Mechanical Ventilation (2-3-3)
A continuation of HSRT 2114, this course offers information on the principle of mechanical ventilation and the effects of positive pressure ventilation. The operating modes, initiation of and monitoring of mechanical ventilation is also covered. The student will become proficient in interpreting waveforms in mechanical ventilation, management of mechanical ventilation, and weaning techniques, as well as representation on various mechanical ventilators. Lab fee: $10. Permission of Program Director required.

HSRT 2221 Introduction to Clinic (1-0-1)
This course is designed as an introductory clinical course for the beginning Respiratory Therapy Program student. The course will prepare students with the proper orientation and training that is required by clinical sites and will focus on clinical observation, assistance, and performance of basic respiratory therapy modalities. The course will introduce the student to basic assessment and treatment modalities taught in the Procedures I course. Clinical practice is coordinated to cover infection control, physical assessment, oxygen therapy, aerosol medication delivery, chest physiotherapy techniques and basic life support skills. Permission of Program Director required.

HSRT 2224 Respiratory Therapy Clinic Practice I (0-24-4)
Respiratory Therapy procedures are practiced in specialty areas of the hospital with supplemental information received through physician lectures. The clinical experience is coordinated to cover the areas of infection control and sterilization, physical assessment and chart review, radiologic assessment of the chest, medical gas therapy and delivery systems, humidity and aerosol therapy, pulmonary function testing, lung expansion therapy, secretion clearance techniques, manual resuscitators, BLS, NRP and ACLS. Permission of Program Director required.

HSRT 2233 Respiratory Physiology (3-0-3)
This course is designed as an in-depth study of the anatomy and physiology of the respiratory system. The respiratory functions include a review of the anatomy and the physiology of ventilation, diffusion of pulmonary gases, the circulatory system, oxygen and carbon dioxide transport, acid-base balance and regulation, and ventilation perfusion relationships. Permission of Program Director required.

HSRT 2242 Respiratory Pharmacology (2-0-2)
This course is a comprehensive yet practical understanding of current information in respiratory pharmacology. This course provides a sound basis of theoretic concepts of the physiopharmacologic functions of the lungs, heart, and kidneys applicable to both the chronic pulmonary disease ambulatory patient and the intensive care unit respiratory failure victim. A wide range of classes of drugs is given full consideration with emphasis on practical choices of individual agents for individual situations. Also discussed are new drugs likely to become available in the near future. Permission of Program Director required.

HSRT 2324 Respiratory Therapy Clinic Practice II (0-40-4)
Continuation of clinical experience as in HSRT 2224 with intensive care involvement. Physician and faculty lectures and clinical practice are coordinated to cover adult, pediatric, and neonatal critical care, advanced airway care, mechanical ventilation, blood gas sampling techniques and analysis, and critical care monitoring. Alternate site clinical experiences will be offered as available. Permission of Program Director required.

HSRT 2333 Respiratory Pathology (3-0-3)
An in-depth study of specific respiratory diseases covering the method of diagnosis, treatment, clinical manifestation, prognosis, pathology, and incidence of occurrence in the general population. Permission of Program Director required.

HSRT 2334 Respiratory Therapy Clinic Practice III (0-40-4)
Continuation of clinical experience as in HSRT 2324 with intensive care involvement. Physician and faculty lectures and clinical practice are coordinated to cover adult, pediatric, and neonatal critical care, advanced airway care, mechanical ventilation, blood gas sampling techniques and analysis and critical care monitoring. Alternate site clinical experiences will be offered as available. Permission of Program Director required.

Health Sciences Respiratory Therapist (HSRT), continued

HSRT 2342 Respiratory Therapy Critical Care (2-0-2)
A survey of procedures and principles utilized in the diagnosis and management of the critically ill patient: clinical laboratory studies, fluid and electrolyte balance, critical care assessment and treatment, hemodynamic monitoring, and ECG interpretation. Permission of Program Director required.

HSRT 2353 Pediatric Respiratory Care (3-0-3)
This course emphasizes comprehensive assessment techniques, respiratory therapeutics, and critical care management specific to neonatal and pediatric patients diagnosed with cardiopulmonary diseases and congenital defects. Critical care therapeutics presented include noninvasive/invasive mechanical ventilation, specialty gas administration, high-frequency ventilation, and extracorporeal membrane oxygenation (ECMO). Fetal development, newborn stabilization, and introductory resuscitation concepts are also covered. Permission of Program Director.

Health Sciences Radiologic Technology (HSXT)

HSXT 1015 Basic Radiographic Anatomy & Positioning (2-6-5)
The principles of radiographic anatomy and positioning for the hand, wrist, chest, abdomen, to include upper and lower extremities, digestive and urinary systems, with emphasis on equipment operation and safety. Lab fee: $10. Permission of Program Director required.

HSXT 1105 Radiologic Technology I (4-2-5)
Introduction to Radiologic Technology including terminology, patient care, body mechanics, medical law, medical ethics, fundamentals of radiographic exposure, and radiation protection will be covered. A continuation of basic radiographic positioning from HSXT 1015 will include upper limbs, lower limbs, and pelvic structures. Critical analysis activities will be utilized during lab and classroom time to ensure integration of program curriculum. Lab fee: $10. Permission of Program Director required.

HSXT 1112 Diagnostic Imaging Practicum I (0-8-2)
Coordination and supervision of learning experience in an approved, affiliated hospital clinical setting. Student will be rotated through various clinics by arrangement. The number of hours in clinical rotation varies. Permission of Program Director required.

HSXT 1205 Radiologic Technology II (4-2-5)
A study of the various radiographic procedures along with radiographic film processing and quality assurance for the radiology department. A continuation of radiographic positioning to include the shoulder girdle, bony thorax, the total spine and skull with film critique and radiographic exposure. Lab fee: $10. Permission of Program Director required.

HSXT 1215 Diagnostic Imaging Practicum II (0-20-5)
Continuation of clinical experience as in HSXT 1112. The number of hours in clinical rotation varies. Permission of Program Director required.

HSXT 1223 Radiologic Physics (3-0-3)
The concepts of general physics as they pertain to radiologic technology. Demonstrations will include the circuitry of the radiographic equipment. Permission of Program Director required.

HSXT 2091-6 Special Topics in Radiologic Technology (Variable)
This elective course will explore in depth the medical imaging modalities (but not limited to) of Computed Tomography, Magnetic Resonance Imaging, Nuclear Medicine, Sonography, Radiation Therapy, Interventional Vascular procedures and Mammography. Knowledge of these specialties affords the student professional development prior to graduation from the program.

HSXT 2302 Special Radiographic Procedures & Radiobiology (2-0-2)
Specialized and highly technical procedures that are performed in the Radiology Department will be presented, along with a discussion of the equipment and opaque media used for these procedures. Radiographic anatomy involved in these procedures will be demonstrated and correlated with the student's general knowledge of anatomy and physiology. Radiobiology discusses effects of ionizing radiation on biological systems. Includes interactions with water and macromolecules, early and late effects on germ cells, embryo, and adult tissues. Permission of Program Director required.

HSXT 2313 Summer Imaging Practicum I (0-12-3)
Continuation of clinical experience as in HSXT 1215. Permission of Program Director required.

HSXT 2405 Radiologic Technology III (4-2-5)
Radiographic exposure techniques is a major component of this course. Critical analysis activities will ensure integration of program curriculum. Advanced radiographic positioning includes facial bones, sinuses, temporal mandibular joints, optic foramina, mastoids. Critical analysis of these images in the lab and classroom will be a course component. Pediatric radiographic procedures is a component of this course. Lab fee: $10. Permission of Program Director required.

HSXT 2415 Medical Imaging Practicum I (0-20-5)
Continuation of clinical experience as in HSXT 2313. The number of hours in clinic rotation varies. Permission of Program Director required.

HSXT 2423 Department Administration & Records/ Pharmacology (3-0-3)
Various phases of management and operation of a department of radiology including planning and personnel relationships. Costs, legal considerations, department records, archiving systems, and schedule preparation will be presented. This unit will provide the student with the basic concepts of pharmacology. The theory and practice of basic techniques of venipuncture and the administration of diagnostic contrasts and/or intravenous medications are included. The appropriate delivery of patient care during these procedures is emphasized. Permission of the Program Director required.

Health Sciences Radiologic Technology (HSXT), continued

HSXT 2505 Radiologic Technology IV (4-2-5)
This course includes an analytical approach to scientific research as it relates to radiologic technology. Trauma radiography, and radiographic pathology will be covered. Quality control/quality assurance problem-solving methodologies will be explored. Critical thinking skills specific to radiographic imaging will be utilized in the lab and classroom to assess integration of program curriculum. Permission of Program Director required. Lab fee $10.

HSXT 2515 Medical Imaging Practicum II (0-20-5)
Continuation of clinical experiences as in HSXT 2415. The number of hours in clinical rotation varies. Permission of Program Director required.

HSXT 2522 Radiologic Technology Seminar (2-0-2)
Introduction to career related, advanced imaging modalities; nuclear medicine, sonography, computed tomography, radiation therapy, and magnetic resonance imaging. Lab fee $10. Permission of the Program Director required.

HSXT 2602 Summer Imaging Practicum II (0-8-2)
Continuation of clinical experience as in HSXT 2515. Permission of Program Director required.

HSXT 2614 Analytic Radiologic Technology (4-0-4)
A situational approach to the synthesis of diagnostic and specialized radiologic procedures including critical analysis and evaluation of product and equipment. Permission of Program Director required.

Humanities (HUM)

HUM 2091-4 Special Topics in Humanities (Variable)
Directed individual or class study of special topics in Humanities. May be repeated with different topics. Permission of professor required.

HUM 2113 Humanities through the Middle Ages (3-0-3)
Designed to acquaint the students with the evolution of Western Culture through a survey of the major creative, philosophical/religious, and socio-political developments of ancient Middle Eastern cultures through Medieval European culture. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1113 or concurrent enrollment.

HUM 2191-4 Humanities Internship (Variable)
Student or professor-arranged internship or individual projects regarding issues in the Humanities. Permission of professor required.

HUM 2223 Humanities from the Renaissance (3-0-3)
Designed to acquaint the student with the evolution of Western Culture through a survey of the major creative, philosophical/religious, and socio-political developments of the Renaissance to the present. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1113 or concurrent enrollment.

HUM 2313 American Humanities (3-0-3)
The goal of this course is to give the student an appreciation of our civilization as a vital culture with its own traditions, customs, values, ideals, ethics, and myths, and an understanding of its relationship to other civilizations. This course is an interdisciplinary study of the cultural accomplishments of America from its colonial beginnings to the present. The artistic, literary, musical, and philosophical movements and creators will be emphasized to provide a comprehensive understanding of the development and influence of American culture. May be taken as credit for Humanities General Education Requirements. Special Note: This American Humanities class will transfer to most universities as general humanities elective credit, but may not transfer for credit as American Humanities when that specific course is required for one of their degrees since American Humanities is a 3000-level course at most universities. Prerequisite: ENGL 1113 or concurrent enrollment.

HUM 2323 Latin American Humanities (3-0-3)
The goal of this course is to give the student an appreciation of Latin American civilizations as vital cultures with their own traditions, customs, values, ideals, ethics and myths, and an understanding of their relationship to other civilizations. This course is an interdisciplinary study of the cultural accomplishments of Latin America from its pre-Columbian beginnings to the present. The artistic, literary, musical, and philosophical movements and creators will be emphasized to provide a comprehensive understanding of the development and influence of Latin American culture. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1113 or Concurrent Enrollment.

HUM 2343 Classical Mythology (3-0-3)
This course is primarily a study of Greco-Roman myth, saga, and society, with an emphasis on literary aspects and significance of myth. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1113 or current enrollment.

HUM 2423 Global Cultural Experience (3-0-3)
This course is designed to acquaint the student with cultures of Africa, China, Japan, India, and Latin America including art, literature, music, theater, and other forms of creative expression. To experience these cultures, attendance at a variety of cultural events is required. May be taken as credit for Humanities General Education Requirements. Prerequisite: ENGL 1113 or concurrent Enrollment.

HUM 2603 Study Tour in Humanities (3-0-3)
This course is designed to acquaint the student with the evolution of culture through a survey of the major cultural, socio-political, creative, and philosophical/religious aspects. Each time this course is offered, it will concentrate on one or more destinations for that particular year's short-term study experience. Each year the focus destination would change. Enrollment and attendance in the current study tour are required. Students may repeat the course in different content areas for Humanities credit. The area of emphasis defines the content focus. Permission of professor required.

Humanities Learning Community (HULC)

HULC 1091 CLICK Learning Community (0-1-1)
This course is designed to increase student success by increasing retention and academic performance. CLICK (Community Learning in Critical Knowledge) Learning Community focuses on improving critical thinking skills, learning strategies, organizational skills, computer literacy, mathematics, reading skills, grammar, writing skills, and student knowledge of available resources both on and off campus.

Interdisciplinary Studies (INDS)

INDS 0333 Foundations Bridge Program (3-0-3)
This course is intended for students whose placement scores fall within the developmental range for English, reading and/or math. The course consists of an intense review of the skills necessary for success in college-level courses required for completing a degree program at Rose State College. Students will work extensively on their own problem areas in order to eliminate the need for multiple developmental courses.

Languages (LANG)

LANG 1003 Basic Language Conversation (Variable) (3-0-3)
This is the first introductory language conversation course. It is an introduction to the target language with a focus on listening and speaking, providing intensive practice in the language on topics of everyday life. This should be taken by students who have never studied the language and who want to learn basic conversational patterns. Students may repeat this course in different languages.

LANG 1115 Elementary Language I (Variable) (5-0-5)
This course is an introduction to a world language. Through study of the language's grammar, vocabulary, and pronunciation, this course emphasizes the development of speaking, writing, reading, and understanding the target language at a novice level while developing an appreciation of life in the countries and regions where the language is spoken. Students may repeat the course in different languages. Prerequisite: ENGL 1113 or concurrent enrollment.

LANG 1225 Elementary Language II (Variable) (5-0-5)
This course is a continuation of Elementary Language I. Through study of the target language's grammar, vocabulary, and pronunciation, this course emphasizes the continuing development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in the countries and regions where the language is spoken. Student may repeat the course in different languages. Prerequisite: LANG 1115 of the same language.

LANG 2091-5 Special Topics in Languages (Variable)
Directed individual or class study of special topics in languages. May be repeated with different topics and languages.

LANG 2113 Intermediate Language I (Variable) (3-0-3)
This course concentrates on the solidification and expansion of the language skills learned at the elementary level. Emphasis is on using the language in varying situations through readings, conversations, and compositions. Students may repeat the course in different languages. Prerequisite: LANG 1225 of the same language.

LANG 2223 Intermediate Language II (Variable) (5-0-3)
This course is a continuation of LANG 2113. Through more advanced readings, conversations, and compositions, students will successfully achieve an intermediate level of ability to use the language in speaking, writing, reading, and understanding of the language. Students may repeat the course in different languages. Prerequisite: LANG 2113 of the same language.

Leadership (LEAD)

LEAD 1103 Introduction to Cultural Awareness (3-0-3)
Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relations in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability, religion are explored. Introduction to the issues, concepts, theories and research of diversity studies. Topics include race, class, gender, oppression and suppression, ethnicity, and privilege.

LEAD 1203 Leadership in the Arts (3-0-3)
In this course, students examine different views of leadership as it pertains to arts and cultural organizations in order to gain a better understanding of the unique issues and challenges such groups face. Using diverse instructional material (case studies, readings, podcasts, video and films, speakers, etc.), students explore the concepts of personal and institutional social responsibility and responsiveness, the process of establishing shared vision, ethical reasoning and its tools, methods for team building and decision making, as well as how to investigate and handle conflict in the art world.

LEAD 2093 Special Topics in Leadership (3-0-3)
Directed individual or class study of special topics in leadership. May be repeated with different topics. Permission of professor may be required.

LEAD 2103 Lessons in Leadership (3-0-3)
The purpose of this class is student leadership growth and development through learning and experiential components. Included are a speaker series and team projects that will assist students in learning from current leaders, help them develop critical reflection skills, and develop lifelong abilities in citizenship, engagement and service.

Leadership (LEAD), continued

LEAD 2113 Introduction to Leadership (3-0-3)
In this course, students examine different views of leadership and how to establish the foundation for a personal leadership philosophy. Through a combination of case studies, readings, podcasts, videos, and films, students explore the concepts of personal and institutional social responsibility and responsiveness, the process of establishing shared vision, ethical reasoning and its tools, methods for team building and decision making, as well as how to investigate and handle conflict.

LEAD 2901 Leadership in Practice (1-0-1)
In this course, students focus on one of two options related to leadership in practice or application to finalize their embedded Certificate in Leadership--(1) a mentoring or shadowing program in which students mirror a leader in their chosen field or (2) a process of documenting the student's own leadership in practice with a particular organization. The course instructor will help guide the students in choosing between the two options and finding a mentor to shadow if option 1 is selected. Prerequisite: LEAD 2103 or LEAD 2113.

Paralegal Studies (LS)

LS 2703 Criminal Law (3-0-3)
Criminal Law is a course that provides the student with an understanding of the fundamentals of criminal law and a practical understanding and working knowledge about how criminal cases proceed in municipal, state, and federal courts and agencies. Prerequisites: LS 2813; acceptance into the Paralegal Studies Program.

LS 2713 Constitutional Rights (3-0-3)
A study of rights arising from the United State Constitution, with an emphasis on their importance for paralegals in the fields of civil, criminal, and government practice. Prerequisites: LS 2813; acceptance into the Paralegal Studies Program.

LS 2773 Open Legal Topics (3-0-3)
This course is the study of law in an area of current interest and importance to a paralegal, where the participation of those directly working or interested in that area would be mutually beneficial to all participants. Students with an interest in the area of law may enroll in the course. This course may be repeated for up to a total of six credit hours.

LS 2783 Child Support Processes (3-0-3)
This class focuses on the legal processes related to child support. Students will be able to identify how private litigants and public child support agencies locate parents, establish paternity, establish child support orders, calculate and collect support, and understand the interactions with other social service programs and state agencies. Prerequisites: LS 2813; acceptance into the Paralegal Studies Program.

LS 2793 Selected Legal Topics (3-0-3)
This course is a study of topics of current interest and importance to the paralegal, including recent changes in legislation. This course may be repeated for up to a total of 6 credit hours. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2803 Introduction to Law (3-0-3)
This course is an introduction to the legal system. It will provide an overview of the judicial system and its relationship to legislative bodies and administrative agencies. This course will examine the training and purpose of legal personnel with emphasis on the role of the legal assistant.

LS 2813 Legal Research & Writing I (3-0-3)
This course is a study of the use of federal and state statutes, federal and state court cases, agency rules, secondary legal publications, proper methods of citing, and preparation of a legal memorandum. Fee: Westlaw™ Next fee at cost. Prerequisites: ENGL 1113 and LS 2803 or concurrent enrollment in both, and acceptance into the Paralegal Studies Program.

LS 2823 Legal Research & Writing II (3-0-3)
This course is a study of the use of computer-assisted legal research of primary and secondary legal source materials, legal reasoning and writing analysis, and preparation of legal memorandum and brief. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813, ENGL 1213 or concurrent enrollment, and acceptance into the Paralegal Studies Program.

LS 2833 Word Processing for the Legal Profession (3-0-3)
This course is a study of word processing software to prepare paralegals to create specialized law office and court documents. Lab fee: $10. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2843 Law Office Practice & Procedures (3-0-3)
This course is a study of theories of law office management, forms of organization of a law practice, human resources, timekeeping, billing, client interviewing, law office accounting, docket control, ethical concerns, law office equipment, and space management. Prerequisites: LS 2813 or concurrent enrollment, and acceptance into the Paralegal Studies Program.

LS 2853 Civil Procedure I (3-0-3)
This course is a study of both state and federal civil procedure, including forum selection, analysis of jurisdiction and venue requirements, necessary parties, and preparation of pleadings. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2823 or concurrent enrollment and acceptance into the Paralegal Studies Program.

LS 2863 Civil Procedure II (3-0-3)
This course is a study of both state and federal evidence, discovery methods and organization for effective presentation at trial with emphasis on the role of the paralegal in discovery and trial preparation. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2853 and acceptance into the Paralegal Studies Program.

LS 2873 Contracts (3-0-3)
This course is a study of the general principles of the law of contracts, with emphasis on the drafting and revising

Paralegal Studies (LS), continued

contracts, documents, and forms. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2883 Torts (3-0-3)
This course is a study of negligence, products liability, and intentional torts with emphasis on the role of the paralegal in the preparation and trial of a tort suit. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2893 Bankruptcy (3-0-3)
This course is a study of federal bankruptcy law with emphasis on the role of the paralegal in this area of the law. Prerequisites: LS 2813; acceptance into the Paralegal Studies Program. Fee: Westlaw™ Next fee at cost.

LS 2903 Information Management in the Law (3-0-3)
This course is an introduction to computer technology and its applications within the law firm, including the use of computers related to paralegal functions in litigation support, case management, time and billing, and electronic spreadsheet applications. Lab fee: $10. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2913 Wills & Trusts (3-0-3)
This course is a study of the principles of law applicable to wills and trusts with emphasis on the role of the paralegal in drafting wills, testamentary trusts, and inter vivos trusts. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2923 Business Organizations (3-0-3)
This course is a study of the principles of law applicable to various business entities, including sole proprietorships, partnerships and corporations. Emphasis is placed on the role of the paralegal in the preparation of documents and forms necessary to form and operate the various entities. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2933 Estate Administration (3-0-3)
This course is a study of estate administration in Oklahoma with emphasis on the role of the paralegal in the preparation of documents, accounting, and estate tax returns. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2943 Paralegal Internship (Variable)
This course is a supervised on-the-job training experience in an appropriate legal environment, i.e., private law firm, government agency, nonprofit corporation, or corporate legal department. Prerequisites: Approval of Paralegal Studies Program Director and Supervising Attorney.

LS 2953 Domestic Relations (3-0-3)
This course is a study of family law, including marriage, divorce, annulment, separate maintenance, adoption, and custody actions. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2963 Real Property (3-0-3)
This course is a study of the principles of law applicable to real property transactions and conveyances, title and forms of land ownership, legal descriptions, recording requirements, closing procedures, liens and causes of action pertaining to real property. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2973 Administrative Law (3-0-3)
A study of the substantive and procedural aspects of client representation before state and federal agencies. Prerequisites: LS 2813; acceptance into the Paralegal Studies Program. Fee: Westlaw™ Next fee at cost.

LS 2983 Debtor-Creditor Law (3-0-3)
This course is a study of state collection remedies and procedures with emphasis on the role of the paralegal in the debtor-creditor area of the law. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2813 and acceptance into the Paralegal Studies Program.

LS 2993 Capstone Seminar (3-0-3)
This course is a comprehensive review of legal ethics, legal analysis, terminology, legal research, interviewing, and substantive areas of law, including litigation, contracts, business organizations, administrative law, family law, criminal law, real estate law, and estate planning and administration, emphasizing student integration of the knowledge of theoretical concepts with practical workplace applications through case analysis and the completion of assigned projects. The seminar places emphasis on critical thinking and problem solving skills to enable students to increase their proficiency in legal writing, reading, interviewing, and listening skills. Fee: Westlaw™ Next fee at cost. Prerequisites: LS 2823, LS 2863 or concurrent enrollment, and acceptance into the Paralegal Studies Program It is recommended that the student take this course in his/her last semester of the Paralegal Studies Program.

Library Technical Assistant (LTA)

LTA 1303 Special Publications (3-0-3)
This course is designed to familiarize the student with materials unique to the medical, government, legal, and genealogical fields. It will introduce the unique terminology of those fields, including MESH terminology, legal citations, and genealogy research methods and sources. It will also look at the Superintendent of Documents catalogs and indexes, the National Library of Medicine, the Government Printing Office and its functions and operation. Federal statutes and Supreme Court documents, the depository library system; state and local documents will also be covered, as well as ordering, acquisition and cataloging records; indexing, data bases and microforms. This course is delivered only via the internet.

LTA 1312 Library Services for Children & Young Adults (2-0-2)
This course is designed to familiarize the student with the

Library Technical Assistant (LTA)

basic library services offered to children and young adults. It covers various programs offered in public libraries and school media centers, reading programs, gaming and technology, storytelling, publicity, book talks, service and information needs, and a brief survey of basic children and young adult materials, both print and non-print. This course is delivered only via the internet.

LTA 1313 Introduction to Library Public Services (3-0-3)
This course is designed to familiarize the student with the programs and materials available to libraries and virtual libraries which serve the needs of library patrons. This course includes coverage of library terminology, general library organization, patron interaction, materials and resources, information and referral, interlibrary loan and circulation. This course is delivered only via the internet.

LTA 1322 Introduction to the Library Paraprofessional Field (2-0-2)
This course serves as an overview to the work of the Library Technical Assistant. It will look at a brief history of libraries and librarianship and the possible jobs, salaries, and types of libraries in which the LTA employee might find him/herself. It will also look at professional organizations within the library field and issues of importance to libraries, such as the Library Bill of Rights, the Freedom to Read, censorship, etc. This course is delivered only via the internet.

LTA 1323 Introduction to Library Technical Services (3-0-3)
This course is designed to familiarize the student with the fundamentals of technical services and working with library collections. This includes learning the role of library technical assistants and support staff, library terminology and technology, acquistions, cataloging, physical processing, and local policies for collection development and management.

LTA 1333 Technology in Libraries (3-0-3)
This course is designed to acquaint the student with current and emerging technological resources in the library field. It will cover usage and set-up of a variety of devices used to present audio, visual, digital and other non-print resources to library users and library staff. It will include basic procedures for evaluating and maintaining those devices, both hardware and software, including accessibility hardware and software. Ways to use these resources in normal library activities will be addressed. It will also acquaint the student with ways to keep updated with advances in the field. This course is delivered only via the internet.

LTA 1343 Records Management (3-0-3)
This course is designed to familiarize the student with an overview of the practice of records management (RM): the systematic control of information resources in any format, from creation through use, storage, and final disposition. Students will learn how records and information management programs contribute to the efficiency (and legal compliance, occasionally) of any type of organization (government, enterprise, non-profit). Upon completion of the course, students should understand what records management is and the importance of RM in any organization; the components of a formal RM program and the benefits of implementing an RM program; RM as a profession and opportunities in the filed. This course is delivered only via the internet.

LTA 1353 Library Management Skills (3-0-3)
A course designed to familiarize the student with management skills needed in a library setting. Includes a study of the qualities necessary for library managerial success: planning, organizing, directing, controlling, and communicating. This course is delivered only via the internet.

LTA 2001 Capstone Project (0-2-1)
This exit/assessment portfolio is required of all Library Technical Assistant majors. Enrollment in this class and completion of the portfolio is to be done during the student's final semester before graduation or upon completion of the LTA courses. Prerequisites: Successful completion of required LTA courses or upon completion of a minimum of 4 required LTA courses and with concurrent enrollment in the remaining LTA courses.

LTA 2091-3 Special Topics in Library Technical Assistant (Variable)
Directed individual or class study of special topics in library technical assistant program. Permission of professor required. This course is delivered only via the internet.

LTA 2191-3 Library Technical Assistant Internship (Variable)
A supervised on-the-job training experience in an appropriate approved setting: college library, school library, or special library. Student must have completed a majority of major coursework, with a minimum GPA of 2.5. Permission of professor required.

Management (MGMT)

MGMT 2103 Principles of Management (3-0-3)
Introduces the systematic approach to examine the functions of management: planning, organizing, leading, and controlling. Includes a study of the qualities necessary for managerial success.

MGMT 2113 Office Management (3-0-3)
The purpose of Office Management is to acquaint the student with the controlling of office activities and services. Special emphasis will be given to the principles of time management, people management, equipment management, information management, and facility management.

MGMT 2153 Teambuilding & Conflict Management (3-0-3)
This course is designed to acquaint the student with the concepts and practices involved in developing and managing teams at the workplace. It examines the role of self-directed teams and how to make the transition from the traditional organizational structure to a self-directed team-based organization.

Management (MGMT), Cont.

MGMT 2203 Human Resources Management (3-0-3)
This course is designed to acquaint the student with the role played by management in the development of human resources. Particular attention is given to the role of government legislation as it pertains to initial interviewing and hiring through the appraisal and promotion steps. Focus is also on union-management relations, career development, and all compensation plans.

MGMT 2313 Introduction to Management Information Systems (MIS) (3-0-3)
Introductory course in which students explore the role of informational systems in business organizations and how these informational systems are developed according to managerial/organizational needs. In addition, students will study the functions and uses of software technologies and computer hardware that businesses use in order to solve their information systems needs.

MGMT 2403 Purchasing & Procurement (3-0-3)
This course is designed to teach students some of the essential skills and knowledge needed in the purchasing and procurement roles within a business operation. Students will study the internal and external relationships with other company activities and with suppliers and how to manage the flow of materials and services through the firm.

MGMT 2503 Project Management (3-0-3)
This course is designed to teach students some of the essential skills and knowledge needed in Project Management: organizational skills, team management, project bids, the types of projects tasks, and the project life cycle. Project Management will facilitate the student's understanding of both client and contractor goals in various industries.

MGMT 2603 Production & Operations Management (3-0-3)
This course will provide an overview of first line industrial management concepts where the primary concern is production/manufacturing. The student will be introduced to various industrial/production/manufacturing concepts, such as competitiveness, strategy, productivity, product and service design, strategic capacity planning, process selection and facility layout, work design and measurement, and location planning and analysis.

MGMT 2703 Small Business Management (3-0-3)
This course will include setting up simple accounting procedures, managing a small retail establishment or running a small manufacturing plant, basic principles of personnel, merchandising, and promotion, with possibly a small amount of quantitative analysis.

MGMT 2803 Supply Chain Management & Logistics (3-0-3)
Students will be introduced to the key concepts of the analysis and management of supply chain and logistics as they relate to: consumer-focused supply chain, inventory management, information systems, transportation, warehousing, logistics relationships and supply chain strategy.

MGMT 2903 Management Seminar (3-0-3)
Designed to correlate classroom training with actual business situations. Examination of various business problems through utilization of group projects and case problems. May be taken one time only for 3 credit hours.

MGMT 4113 IT Project Management (3-0-3)
This course addresses technology project management from a project life cycle perspective. With the impact of Industry 4.0 and cybersecurity on the technology infrastructure of an organization it provides opportunity and the business need to have individuals who are aware of IT Project Management concepts. Given limited resources, the business depends on technology and use of project management in order to accomplish unique outcomes under critical constraints of scope, resources, customer satisfaction, time, budget, quality, stakeholders and schedule. Students will be exposed to project management knowledge areas essential to initiating and managing projects with defined outcomes. This course will provide students the fundamental project management techniques as well as exposure to the soft skills to systematically manage projects for the government, private business, engineering, information technology, or other. Lab Fee $10

Marketing (MKTG)

MKTG 1503 Concepts of Selling (3-0-3)
A course to examine the fundamentals of selling, including approaching the customer, creating interest in and desire for the product, closing the sale, and utilization of psychological principles in customer relations.

MKTG 2103 Principles of Marketing (3-0-3)
Study of the movement of goods and services from producer to consumer. Includes functions of marketing such as pricing, product promotion, distribution channels, market research and an overview of legal ramifications.

MKTG 2113 Digital Marketing Essentials (3-0-3)
This course will introduce students to the key concepts of on- and off-site SEO (Search Engine Optimization), paid search marketing, online advertising, web analytics, and e-mail marketing. Additionally, content includes social media marketing, web design, and online reputation management. Fee $10. Crosslisted with MCOM 2113.

MKTG 2213 Principles of Advertising (3-0-3)
As a survey course of the world of advertising and its place in the business world and society, advertising is studied from three viewpoints: management-marketing, communications-creativity, and the consumer-citizen. The course includes the study of the art and science of advertising strategy and tactics as well as the socioeconomic aspects of advertising. Crosslisted with MCOM 2213.

Mathematics (MATH)

NOTE: Rose State College is committed to the academic success of its students. Appropriate placement is a vital element to each student's success. A student's placement scores (within 3 years) through high school GPA, ACT, SAT, or Next Generation ACCUPLACER adequately determine college-level readiness as well as the ability to exhibit skills in performing various math competencies ranging from arithmetic to intermediate algebra. Based on placement scores, developmental courses may be required before a student is eligible for college-level courses.

MATH 0124 Foundations of Math (4-0-4)
This course provides a review of arithmetic and algebra topics which include: place value, estimation, operations with fractions, integers, and percents, order of operations, simplifying variable expressions, solving linear equations, and proportions. Additional topics include an introduction into formulas, rules of exponents, and graphing lines. Students who successfully complete this course with a grade of C or higher are then eligible to take MATH 0144 or MATH 1473.

MATH 0141 General College Math Studio (1-0-1)
This course is designed for students who intend to enroll in MATH 1473 but whose placement scores indicate a need to review the math skills necessary to meet college standards. Topics include place value, fraction operations, percent, order of operations, simple equation solving, and calculator skills. Prerequisite: ACT MATH score of 17, 18, or equivalent.

MATH 0144 Algebraic Literacy (4-0-4)
This course includes a study of operations on real numbers; operations on polynomial, rational, and radical expressions; factoring polynomials; solving linear, polynomial, rational, and radical equations having real or complex solutions; solving linear and compound inequalities; and graphing linear equations. Additional topics include applications of concepts and problem solving. Students who successfully complete this course with a grade of C or higher are then eligible to take MATH 1513 or MATH 1483. Prerequisite: MATH 0124 or equivalent.

MATH 0151 College Algebra Studio (1-0-1)
This course is designed for students who intend to enroll in MATH 1513 but whose placement scores indicate a need to review the math skills necessary to meet college standards. Topics include functions; factoring; simplifying expressions and solving equations containing polynomials, rationals, and radicals. Prerequisite: ACT MATH score of 18 or equivalent.

MATH 0181 Functions & Modeling Studio (1-0-1)
This course is designed for students who intend to enroll in MATH 1483, but whose placement scores indicate a need to review the math skills necessary to meet college standards. Topics include functions in multiple representations, function notation, types of functions with emphasis on linear equations, and rates of change. Prerequisite: An ACT MATH score of 17/18 or equivalent.

MATH 1473 General College Math (3-0-3)
This course explores the mathematics needed for the critical evaluation of quantitative information. Topics include set theory, symbolic logic, consumer mathematics, geometry and measurement, probability, and statistics. Prerequisite: Successful completion of MATH 0124 with a grade of C or better or satisfactory assessment score for MATH 1473.

MATH 1483 Functions & Modeling (3-0-3)
This course includes a study of functions and their graphs, with special emphasis on polynomial, rational, exponential, and logarithmic functions from the viewpoint of rates of change. It explores linear, quadratic, exponential, logarithmic, and other functions with applications to the natural sciences, agriculture, business, and the social sciences. Prerequisite: Successful completion of MATH 0144 with a grade of C or better OR satisfactory assessment score for MATH 1483.

MATH 1513 College Algebra (3-0-3)
This course includes a study of functions and their graphs, with special emphasis on polynomial, rational, absolute value, exponential, and logarithmic functions. Additional topics include systems of equations, matrices, determinants, and conics. MATH 1473 (or its equivalent) does not fulfill the prerequisite for this course. Prerequisite: Successful completion of MATH 0144 with a grade of C or better OR satisfactory assessment score for MATH 1513.

MATH 1613 Plane Trigonometry (3-0-3)
This course includes a study of trigonometric functions and their inverses, trigonometric identities, solutions of triangles, and applications. Suitable for students progressing to the calculus sequence. Prerequisite: Successful completion of MATH 1513 with a grade of C or better or concurrent enrollment

MATH 1715 Pre-calculus (5-0-5)
This course consists of the study of algebraic and trigonometric topics including polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Conic sections, polar coordinates, and other topics of analytic geometry will be included. Prerequisite: MATH 0144 or equivalent.

MATH 1743 Calculus I for Business, Life & Social Sciences (3-0-3)
This course includes a study of differential and integral calculus of elementary functions including: polynomial, radical, rational, exponential, and logarithmic functions; with the associated applications. For Business, Social Sciences and certain Life Sciences. Not for Math, Engineering and Physical Science majors. Prerequisite: MATH 1483 or equivalent.

MATH 1914 Differential & Integral Calculus I (4-0-4)
This course is a study of the fundamental concepts of limits, derivatives, integrals with applications including continuity, related rates, curve sketching, optimization, and area between curves. Prerequisites: MATH 1513 and MATH 1613 or MATH 1715 (C or better).

MATH 2013 Structures of Mathematics (3-0-3)
This course is a study of number sense and numeration, sets, relations, patterns, whole numbers, and integers. The course is specifically designed to help prospective teachers gain an understanding of the underlying concepts of elementary mathematics and teaching strategies. Enrollment will reserved for students majoring in Pre-Education or Family Services and Child Development. This course will not satisfy the General Education Math requirement at Rose

Mathematics (MATH), continued

State College. Prerequisite: MATH 0144 or equivalent.

MATH 2023 Foundations of Geometry & Measurement (3-0-3)
This course is an introduction to geometric notation, and a study of constructions, measurements, similarity, congruence, translations, rotations, and reflections. The course is designed to give prospective elementary teachers an understanding of the basic geometric concepts as well as an understanding of the teaching strategies used with elementary students. Enrollment will be reserved for students majoring in Pre-Education or Family Services and Child Development. This course will not satisfy the General Education Math requirements at Rose State College. Prerequisite: MATH 0144 or equivalent.

MATH 2033 Analysis of Data & Chance (3-0-3)
This course is a study of rational numbers, decimal notation, real numbers, probability, and statistics. Applications in the field of education will be emphasized. Enrollment will be reserved for students majoring in Pre-Education or Family Services and Child Development. This course will not satisfy the General Education Math requirement at Rose State College. Prerequisite: MATH 0144 or equivalent.

MATH 2083 Introduction to Statistics for Engineering & Sciences (3-0-3)
This course is an introduction to the theory of statistics and its applications including graphical representation of data, descriptive statistics, basic probability, binomial and normal distributions, the distribution of the sampling mean, confidence intervals, hypothesis testing, regression, and correlation. Statistical applications in the fields of engineering, physical sciences, and biological sciences will be emphasized in this course. Prerequisite: MATH 0144 with a grade of C or better or equivalent.

MATH 2091-6 Special Topics in Mathematics (Variable)
Directed individual study of special topics and special courses in mathematics. Also, this course may be used to offer special math courses to public school teachers and to other select groups of the community. Prerequisite: Special permission by STEM Dean with recommendation from Math Coordinator.

MATH 2103 Discrete Mathematics (3-0-3)
This course introduces a variety of topics which include logic, set theory, combinatorics, sequences, series, induction, relations and their properties, graph theory, modular arithmetic, and applications such as cryptography. Prerequisite: Successful completion of MATH 1513 with a grade of C or better or equivalent.

MATH 2213 Fundamentals of Data Science (3-0-3)
This course provides an introduction to the interdisciplinary field of data science. This course will emphasize practical techniques to gain information and understanding of data. Topics include but are not limited to cleaning, preparing, transforming, exploring and analyzing data; statistical inference; statistical models; visualizations; and communicating results. R and/or Python programming language will be used throughout the course. Examples and data sets from various areas will be discussed. Prerequisite: Successful completion of CIT 1173 or CIT 1613, MATH 1513 and MATH 2083 with a grade of C or better.

MATH 2924 Differential & Integral Calculus II (4-0-4)
This course is a continuation of Differential and Integral Calculus I. It includes applications of integration and additional integration techniques as well as the study of infinite sequences and series, parametric and polar equations, and an introduction to vectors in space. Prerequisite: MATH 1914 (C or better).

MATH 2934 Differential & Integral Calculus III (4-0-4)
This course is a continuation of Differential and Integral Calculus II. It includes the study of vectors and vector functions, functions of several variables, partial differentiation and gradients, multiple integration, line and surface integrals, and the theorems of Green, Stokes, and Gauss. Prerequisite: MATH 2924 (C or better).

MATH 2973 Introduction to Ordinary Differential Equations (3-0-3)
This course is an introductory course in differential equations. Topics include homogeneous and nonhomogeneous linear equations and nonlinear equations, Laplace transforms, power series, and applications of differential equations. Prerequisite: Successful completion of MATH 2934 with a grade of C or better or concurrent enrollment.

Mass Communication (MCOM)

MCOM 1103 Introduction to Mass Media (3-0-3)
Survey and history of mass communication theories and practices, including economic, social and political evolution of interrelationships of media with society.

MCOM 1123 Social Media Tools & Strategies (3-0-3)
This course will provide students with the essentials of using the most popular social media tools and leveraging those tools in combination to multiply their potential audience. The student will be introduced to strategies and tactics of using the tools to enhance the impact of their message. Armed with this new media equation, individuals and businesses of all sizes can reach a global audience. Lab fee: $10. Crosslisted with MULT 1123.

MCOM 1203 Media Writing (2-2-3)
Introduction to various writing styles and techniques used by media professionals, with a focus on gathering, organizing, and presenting information to audiences. Lab fee: $10. Prerequisite: "C" or better in ENGL 1113 or concurrent enrollment.

MCOM 1213 Public Speaking (3-0-3)
This course is designed to introduce students to the process, concepts, and principles fundamental to formal and informal oral communication. Students are required to demonstrate speech development and presentation skills in a variety of evaluated speaking assignments.

Mass Communication (MCOM), continued

MCOM 1401 Mass Media Practicum (0-3-1)
Participation in the production of the college's student-run newspaper, magazine, podcast or another Rose State student-led publication. A maximum of 3 hours credit toward Support and Related Requirements may be earned. Lab fee: $10. Prerequisite: "C" or better in MCOM 1203.

MCOM 1413 Digital Imaging (3-0-3)
This introductory course will provide a basic foundation in the use of electronic techniques to select, manipulate, and edit images, work with masks, channels and layers, combine raster and vector graphics, and manage color. Students must have knowledge of file management. Lab fee: $10. Crosslisted with MULT 1413.

MCOM 2003 State Capitol Reporting (3-0-3)
This course will teach the fundamentals of State Capitol reporting through on-the-ground observation, interaction and coverage of the Oklahoma Legislature and executive branch. Prerequisite: MCOM 1103 or permission of professor.

MCOM 2091-3 Special Topics in Mass Communication (Variable)
Directed individual or class study of special topics in mass communication. May be repeated with different topics. Permission of professor may be required.

MCOM 2113 Digital Marketing Essentials (3-0-3)
This course will introduce students to the key concepts of on- and off-site SEO (search engine optimization), paid search marketing, online advertising, web analytics, and e-mail marketing. Additionally, content includes social media marketing, web design, and online reputation management. Lab fee: $10. Crosslisted with MKTG 2113.

MCOM 2203 News Reporting (2-2-3)
The continuation of MCOM 1203, this course focuses on reporting and writing stories for print and online publications utilizing more advanced techniques. Students will practice interviewing, researching, writing on deadline, conforming to Associated Press style, and editing their stories, as well as those of their peers, contributing content for publication in the student newspaper, magazine or online edition. Prerequisite: C or better in MCOM 1203. Lab fee: $10.

MCOM 2213 Principles of Advertising (3-0-3)
As a survey course of the world of advertising and its place in the business world and society, advertising is studied from three viewpoints: management-marketing, communications-creativity, and the consumer-citizen. The course includes the study of the art and science of advertising strategy and tactics as well as the socioeconomic aspects of advertising. Crosslisted with MKTG 2213.

MCOM 2323 Principles of Public Relations (3-0-3)
An overview of the public relations profession, focusing on definitions, history, theory, practices, case studies, ethics, law, and career opportunities in the field.

MCOM 2333 Layout & Graphic Design (3-0-3)
Students will learn current desktop publishing software for the purpose of designing publications for various journalism and business outlets, including public relations, advertising, print media, and corporate communications. Students must know how to navigate in a computerized environment and be familiar with basic word processing software. Students will create page designs for the student-led newspaper, promotional materials and Rose State publications. This course is cross-listed with MULT 2333.

MCOM 2413 Digital Photography (3-0-3)
Digital Photography is a study of the digital photographic medium as artistic expression and its applications in the world of news and commercial photography. Students receive instruction in digital photography and computer applications, and produce professional-level projects using current digital photo and computer equipment. An adjustable digital camera is required for this course. This course specifically supports students pursuing digital production, web design, and journalism and mass communication. Skills will be developed in taking photographs and also building a portfolio. A student-provided adjustable digital camera is recommended; some cameras are available for checkout. Some knowledge of Photoshop is helpful. Lab fee: $10. This course is crosslisted with MULT 2413.

MCOM 2503 Media Production (1-3-3)
Basic techniques for the planning, shooting and editing of audio, video and online media. Coursework features field camera operation, audio and video recording, basic lighting techniques, and computer editing of audio and video media, as well as following a basic script. Course includes a laboratory component. Lab fee: $10. This course is cross-listed with FSDM 2503 and MULT 2503.

MCOM 2513 Screenwriting (3-0-3)
This course introduces screenwriting techniques for narrative and documentary shorts and features. Students will learn theory, aspects of a story, structure, character, and the steps of the screenwriting process. Students will examine previously produced films and scripts and learn how to create a treatment and breakdowns. They will then apply the knowledge gained and use the steps of the screenwriting process to develop finalized scripts.

MCOM 2603 Video News (1-3-3)
Techniques and practice of news gathering/reporting and production. Students will become familiar with remote lighting requirements, subjective techniques, remote video acquisition, and computer video editing techniques. Prerequisite: C or better in MCOM 2503 or concurrent enrollment. Lab fee $10.

MCOM 2801-3 Mass Communication Internship (Variable)
Student- or professor-arranged internship in an area of mass communication. May be repeated for a maximum of 3 credit hours. Permission of professor required. MULT 2801-3 will not meet the requirements needed to graduate with a degree in Mass Communication.

MCOM 2901 Mass Communication Capstone (0-3-1)
This course will serve as a program outcomes assessment. Students should enroll in this course during the semester they plan to graduate and will create a résumé and 2 portfolios (online and hard copy) of their mass communications work. Prerequisites: MCOM 1103, MCOM 1203, MCOM 1401, and MCOM 2503. Previous completion of or concurrent enrollment in MCOM 2203 and MCOM 2603.

Mass Communication (MCOM), continued

MCOM 2441-3 Mass Communication Independent Study (Variable)
Independent Study is a course designated for study and research in an area of Mass Communication under departmental guidance and supervision. The length of time and amount of study will determine the amount of credit a student earns, which can be one credit hour, two credit hours, or three credit hours. This course may be repeated but not to exceed a maximum of three credit hours. Prerequisite: Departmental approval required prior to registration.

Meteorology (METR)

METR 1003 Introduction to Atmospheric Science (3-0-3)
This meteorology course for atmospheric science majors in the Geoscience program introduces students to important physical properties that occur in the Earth's atmosphere. This course focuses on atmospheric radiation, heat, thermodynamics, stability, moisture, clouds and precipitation. Prerequisite: MATH 1513 and MATH 1613; or MATH 1715.

METR 1121 Introduction to Meteorology Laboratory (0-2-1)
A general meteorology lab designed to accompany METR 1123. This course will cover applications relevant to the nature of the atmosphere and weather phenomena. Analyzing data and weather patterns peculiar to Oklahoma will be studied. Lab fee: $15. Prerequisite: METR 1123 or concurrent enrollment.

METR 1123 Introduction to Meteorology (3-0-3)
An introductory survey of the nature of the atmosphere and the weather phenomena produced by the interaction of the atmospheric elements of heat, moisture, pressure, and wind. Special emphasis will be placed on the weather phenomena and patterns particular to Oklahoma. Prerequisite: MATH 0124 or equivalent.

METR 2802 Basic Forecasting (2-0-2)
Introduction to basic forecasting of weather across the nation and in particular Oklahoma. Students will use concepts learned in previous meteorology classes to develop skill and accuracy in forecasting weather patterns. Prerequisites: METR 2004 or concurrent enrollment.

METR 2901 Capstone (1-0-1)
The capstone course integrates learning from the courses in the major with the courses from the rest of the academic experience. It requires the application of that learning to a project which serves as an instrument of evaluation. The project may include: 1) an internship approved by the professor; 2) a weekly meteorological discussion/presentation of the atmosphere; or, 3) Storm Intercept Team, depending on available equipment and professor permission; and, 4) a research paper on a professor-approved topic related to the atmospheric sciences. Prerequisites: METR 2004 or concurrent enrollment, and permission of professor.

Multimedia (MULT)

MULT 1123 Social Media Tools & Strategies (3-0-3)
This course will provide students with the essentials of using the most popular social media tools and leveraging those tools in combination to multiply their potential audience. The student will be introduced to strategies and tactics of using the tools to enhance the impact of their message. Armed with this new media equation, individuals and businesses of all sizes can reach a global audience. Lab fee: $10. Crosslisted with MCOM 1123.

MULT 1133 Introduction to Multimedia (3-0-3)
Introduction to the software, hardware, and terminology used to create a multimedia application. Lab fee: $10.

MULT 1413 Digital Imaging (3-0-3)
This introductory course will provide a basic foundation in the use of electronic techniques to select, manipulate, and edit images, work with masks, channels and layers, combine raster and vector graphics, and manage color. Students must have knowledge of file management. Lab fee: $10. Crosslisted with MCOM 1413.

MULT 1423 Advanced Digital Imaging (3-0-3)
An advanced course in digital imaging for those who want to create the best possible photographic images using the most recent version of Adobe Photoshop. Students will build skills in editing images, design, color management, color correction, repair, special effects, filters, and advanced image manipulation. It is essential for people interested in editing images for web design, desktop publishing, illustration, and multimedia applications, as well as for those interested in editing color images, retouching proofs and photographs, or creating original or composite artwork, collages, and photo montages. Lab fee: $10. Prerequisite: MULT 1413 or permission of professor.

MULT 1443 Photo Restoration (3-0-3)
This course in digital imaging is designed for students who have an intermediate knowledge of photo editing software. This course prepares students to salvage historical images and correct contemporary images that have time or damage related issues. Through the use of photo editing software, the student will correct the color and/or black and white balance of multiple images, modify foregrounds and backgrounds of challenging images, correct pixilation content where images are distorted, develop high quality images to promote and sell products through this dynamic medium, and various other editing issues will also be covered. Lab fee: $10. Prerequisite: MULT 1413 or professor permission if the student can demonstrate that he/she has least a minimum of an intermediate skill level with photo editing software.

Multimedia (MULT), continued

MULT 1513 Print Design (3-0-3)
Students will learn current desktop publishing software for the purpose of designing publications for various journalism and business outlets, including public relations, advertising, social media, print media, and corporate communications. Students must know how to navigate in a computerized environment and be familiar with basic word processing software. Students will create page designs for the student-led newspaper, promotional materials and College publications. Lab fee: $10.

MULT 1613 Computer Illustration (3-0-3)
An introductory course to a computer-generated drawing program using vector graphics (using the most recent version of Adobe Illustrator). Emphasis will be placed on developing not only the skills needed to run the software program but also on basic text and design projects for illustration, desktop publishing, and the web. Various peripheral devices will include scanners and color printers. Must have PC skills including the use of a mouse and file management using Windows or OS X (Mac). Open to any interested student, and can be used as an art elective for Art majors. This class is required for the Multimedia Communication Certificate and AAS degree. Lab fee: $10.

MULT 1913 Animation (3-0-3)
This course will begin with an introduction to creating vector-drawn shapes, move into vector-based animation with Animate CC®, and conclude with an introduction to web interactivity, game development, and Action Script®. Lab fee: $10.

MULT 2003 Web Design (3-0-3)
This course is designed to give the student the skills needed to create a basic Flash®-driven website or components that are inserted into a basic XHTML website. The student will bring the elements of sound, movement, interaction, graphics, and text together to produce some extraordinary results. Interactivity will be taught using built-in ActionScript®. Lab fee: $10.

MULT 2091-4 Special Topics in Multimedia (Variable)
Selected topic(s) from one of the subject areas offered by the Business Division. May be repeated for up to a total of 4 credit hours. Lab fee: $10. Permission of Dean and/or professor required.

MULT 2113 3D Graphic Design (3-0-3)
Students will be introduced to software, theory, principles and techniques for creating 3D images and animation used in 3D design for multimedia and game design. Lab fee: $10.

MULT 2203 Storyboarding (3-0-3)
Concept art is the foundation of game creation. This course will look at the basic steps involved in creating game concept art. This course will also supply the vision for the game and give direction to the development team. Lab fee: $10.

MULT 2213 3D Modeling (3-0-3)
This course will establish intermediate-level techniques needed to create models, generate textures, and finalize a model for use in video applications or as an STL export for 3D printing. Lab fee: $10.

MULT 2333 Layout & Graphic Design (3-0-3)
Students will learn current desktop publishing software for the purpose of designing publications for various journalism and business outlets, including public relations, advertising, print media, and corporate communications. Students must know how to navigate in a computerized environment and be familiar with basic word processing software. Students will create page designs for the student-led newspaper, promotional materials and Rose State publications. Crosslisted with MCOM 2333.

MULT 2413 Digital Photography (3-0-3)
Digital Photography is a study of the digital photographic medium as artistic expression and its applications in the world of news and commercial photography. Students receive instruction in digital photography and computer applications, and produce professional-level projects using current digital photo and computer equipment. An adjustable digital camera is required for this course. This course specifically supports students pursuing digital production, web design, and journalism and mass communication. Skills will be developed in taking photographs and also building a portfolio. A student-provided adjustable digital camera is recommended, some cameras are available for checkout. Some knowledge of Photoshop is helpful. Lab fee: $10. Crosslisted with MCOM 2413.

MULT 2503 Media Production (3-0-3)
Basic techniques for the planning, shooting and editing of audio, video and online media. Coursework features field camera operation, audio and video recording, basic lighting techniques, and computer editing of audio and video media, as well as following a basic script. Course includes a laboratory component. Lab fee: $10. Crosslisted with MCOM 2503 and FSDM 2503.

Music (MUS)

MUS 1001 Chorus (0-3-1)
Rose State Chorus is a choral ensemble that is open to enrollment of both music majors and non-majors. The repertoire of the ensemble will expose singers to a variety of styles of choral singing, traditional and non-traditional, Western and Non-Western, accompanied and a cappella. The chorus will participate in at least one public performance during the semester, the program to vary from semester to semester.

MUS 1201 Jazz Band (0-2-1)
Performance of music arrangements. Permission of professor required.

MUS 1203 Music in Life (3-0-3)
A nontechnical course which develops the student's appreciation of a wide variety of musical types and styles and his or her ability to listen critically to a musical selection. May be taken as Humanities credit for General Education requirements.

Music (MUS), continued

MUS 1212 Aural Theory I (2-0-2)
An aural study of the melodic, harmonic, and rhythmic patterns found in the traditional music of the 17th and 18th centuries. These areas of concern will be studied both in isolated situations and within the framework of music literature. This course includes the development of skills in the areas of melodic, harmonic, and rhythmic dictation as well as the ability to vocally sight-read traditional music. Prerequisites: MUS 1263 or permission of professor and concurrent enrollment in MUS 1222 is required.

MUS 1222 Harmony I (2-0-2)
A study of melodic, harmonic, and rhythmic materials of music as used by composers of the 17th and 18th centuries. This course includes the study of scales, key signatures, meter signatures, intervals, chord construction, analysis of melodic and harmonic structures and part-writing procedures. Concurrent enrollment in MUS 1212 is required. Prerequisite: MUS 1263 or permission of professor.

MUS 1232 Aural Theory II (2-0-2)
An aural study of the melodic, harmonic, and rhythmic patterns found in the traditional music of the 17th and 18th centuries. These areas of concern will be studied both in isolated situations and within the framework of music literature. This course includes the development of skills in the areas of melodic, harmonic, and rhythmic dictation as well as the ability to vocally sight-read traditional music patterns. This is a continuation of MUS 1212, Aural Theory I. Prerequisites: MUS 1212, MUS 1222 and concurrent enrollment in MUS 1242.

MUS 1242 Harmony II (2-0-2)
A continuation of the study of melodic, harmonic, and rhythmic materials as used by composers of the 17th and 18th centuries which was begun in Harmony I. This course of study includes work in analysis, part-writing and harmonization with diatonic triads and seventh chords and their inversions. It also includes non-harmonic tones, cadences, and small forms. Prerequisites: MUS 1212, MUS 1222, and concurrent enrollment in MUS 1232.

MUS 1263 Fundamentals of Music (3-0-3)
This introductory course includes the study of melodic, harmonic, and rhythmic elements of music. The focus will be on the recognition and dictation of these elements. These areas will be studied both in isolated situations and within the framework of musical composition.

MUS 1301 Instrumental Ensemble (0-3-1)
In this course, students will rehearse and perform a variety of instrumental music arrangements. Specific ensemble topics may vary. This class may be repeated as many times as the students enroll.

MUS 1313 Music Literature I (3-0-3)
This course is a general survey of the music literature from the Medieval, Renaissance, and Baroque music style eras of the Western European musical canon. Class activities will include listening to recordings of compositions, discussion of music style characteristics of each era, discussion of a work's genre and examination of its musical form and other defining characteristics, and giving a brief biographical background of major composers.

MUS 1323 Music Literature II (3-0-3)
This course is a general survey of music literature from the Classical, Romantic, and Modern music style eras of the Western European musical canon. Class activities will include listening to recordings of compositions, the discussion of music style characteristics of each era, the discussion of a work's genre and examination of its musical form and other defining characteristics, and giving a brief biographical background of major composers.

MUS 1402 Group Piano I (2-0-2)
Group instruction in the fundamentals of playing the piano. Each student practices individually, using earphones at an electronic piano. Emphasis is placed on individualized instruction permitting each student to advance at his/her own pace.

MUS 1412 Beginning Group Guitar (2-0-2)
Group instruction in fundamentals of guitar. Fundamentals of theory such as reading music are included. May be repeated as many times as the student enrolls.

MUS 1501 Orchestra (0-2-1)
In this course, students will rehearse and perform a variety of orchestral music arrangements. Specific ensemble topics may vary. This class may be repeated as many times as the student enrolls. Prerequisite: Experience reading and playing an orchestral instrument.

MUS 1742 Musical Theatre Performance I (1-2-2)
Musical Theatre Performance I is the beginning foundational fundamentals of musical theatre course, exploring and understanding all aspects of the craft: singing, dancing and acting. Emphasis includes interview, audition techniques and theatre song study methods. Concurrent enrollment in MUS 2512 required. Crosslisted with TH 1742.

MUS 1752 Musical Theatre Performance II (1-2-2)
Musical Theatre Performance II continues foundational fundamentals of musical theatre, exploring and understanding all aspects of the craft: singing, dancing and acting. Emphasis includes interview and audition techniques and theatre song study methods. Crosslisted with TH 1752. Prerequisite: MUS 1742.

MUS 2091-3 Special Topics in Music (Variable)
Directed individual or class study of special topics in music. May be repeated with different topics. For fee, see “Fees, Books, and Refunds.” Permission of professor required.

MUS 2101 Rose Chamber Singers (0-3-1)
A course designed for experienced singers; performance of unaccompanied choral literature for chamber choral ensembles and popular contemporary music, potentially with movement and choreography. Activities outside of weekly rehearsals will include both on- and off-campus performances and/or appearances. Permission of professor will be required for this course.

MUS 2402 Aural Theory III (2-0-2)
An aural study of the melodic, harmonic, and rhythmic patterns found in the traditional music of the 17th and 18th centuries. These areas of concern will be studied both in isolated situations and within the framework of music

Music (MUS), continued

literature. This course includes the development of skills in the areas of melodic, harmonic, and rhythmic dictation as well as the ability to vocally sight-read traditional music patterns. A continuation of Aural Theory II. Prerequisites: MUS 1232, MUS 1242, and concurrent enrollment in MUS 2422.

MUS 2423 Native American Music (3-0-3)
The course will survey Native American music of the North American continent, including The United States and Canada (with alternating emphases on music of the tribes of the Plains, Southwest, Eastern Woodlands, California, Great Basin and Plateau, Northwest Coast, and First Nations). Instrument building, analytical essays of live performances, and a high level of aural classroom experience will be included.

MUS 2422 Harmony III (2-0-2)
An advanced study of the melodic, harmonic, and rhythmic materials of music as used by composers of the 17th through 19th centuries. This course of study includes the study of modulation, secondary dominants and secondary leading tone chords. It also includes larger forms such as binary, ternary, rondo and sonata. Prerequisites: MUS 1232, MUS 1242, and concurrent enrollment in MUS 2402.

MUS 2432 Aural Theory IV (2-0-2)
An aural study of the melodic, harmonic, and rhythmic patterns found in the traditional music of the 17th and 18th centuries. These areas of concern will be studied both in isolated situations and within the framework of music literature. This course includes the development of skills in the areas of melodic, harmonic, and rhythmic dictation as well as the ability to vocally sight-read traditional music patterns. A continuation of Aural Theory III. Prerequisites: MUS 2402, MUS 2422, and concurrent enrollment in MUS 2442.

MUS 2442 Harmony IV (2-0-2)
An advanced study of the melodic, harmonic and rhythmic materials of music as used by composers of the 17th through 19th centuries. This course of study includes study of augmented sixth chords, Neopolitan sixth and altered dominant chords, enharmonic modulation and an introduction to 20th century harmonic practices. This exit/assessment course is the capstone course for music majors. Prerequisites: MUS 2402, MUS 2422, and concurrent enrollment in MUS 2432.

MUS 2501-2 Piano (Variable)
In this course students receive private instruction in piano technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

MUS 2511-2 Voice (Variable)
In this course, students receive private instruction in vocal technique and repertoire. Lesson times are arranged with the professor. This course also includes a 1-hour collaborative voice studio class.

MUS 2521-2 Guitar (Variable)
In this course, students receive private instruction in guitar technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

MUS 2541-2 Woodwind Instruments (Variable)
In this course, students receive private instruction in woodwind instrument technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

MUS 2551-2 Brass Instruments (Variable)
In this course, students receive private instruction in brass instrument technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

MUS 2561-2 Percussion Instruments (Variable)
In this course, students receive private instruction in percussion instrument technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

MUS 2571-2 Stringed Instruments (Variable)
In this course, students receive private instruction in stringed instrument technique and repertoire. Lesson times are arranged with the professor. There is an additional fee for this class. See “Fees, Books, and Refunds” in this Catalog. Permission of professor required.

Native American Studies (NAS)

NAS 1113 Introduction to Native American Studies (3-0-3)
This course will introduce students to key concepts and methods in the study about and education of the indigenous peoples of America. Areas of survey include: Native American history; processes of colonization and de-colonization; Native cultures (past and present); Indian education; health; Native American philosophies (religious and political); arts and humanities; identity (individual and tribal); tribal sovereignty; federal Indian policies and law; systems of tribal governance; tribal economic development; and, other components of the Native American experience. May be taken as Humanities credit for General Education requirements.

NAS 2223 Native American Philosophy (3-0-3)
This course introduces students to various philosophies, world views, spiritual ways of Native American people, past and present, traditional and academic. Students will examine works by Native American authors in order to frame learning and discussions around how Native Americans understand questions of reality, knowledge, and ethics and how Native understanding and logic is far different than that of the western world. Three general areas of Native American philosophy will be explored: first, the general themes found in Native American philosophies; second, examination of a few traditional tribal world views; third, a look at contemporary Native American thought and philosophy. Prerequisite: ENGL 1113.

NAS 2803 American Indian Law, Policy, Sovereignty (3-0-3)
This course is an introduction to American Indian federal law and policy and tribal sovereignty that explores the legal (and historical) relationship between Indian nations and people with the U.S., and the implications of this relationship for states and citizens. The first half of the course examines the historical development of American Indian law and policy which, by extension, is the history of Indian tribal sovereignty. The second portion of the semester explores specific and contemporary issues of sovereignty. Prerequisite: ENGL 1113.

Orientation (ORI)

ORI 1101 College Orientation (1-0-1)
Designed to provide a structured and holistic introduction to the collegiate environment. This course will introduce new students to academic programs, educational opportunities and responsibilities, campus services and resources, and highlight academic strategies that may facilitate successful transition to Rose State College.

Philosophy (PHIL)

PHIL 1103 Introduction to Philosophy (3-0-3)
This course investigates issues in philosophy such as free will, personal identity, the relation between knowledge, evidence, and belief, the nature of right and wrong, and the nature of justice or political authority. Major emphasis is placed on Western philosophy, but other traditions are considered. This course may be taken as Humanities credit for General Education requirements. Prerequisite: ENGL 1113 or concurrent enrollment.

PHIL 1223 Introduction to Asian Philosophy (3-0-3)
This course will introduce students to the foundational texts of the major philosophic schools from India and China, with emphasis on Hinduism, Buddhism, Confucianism, and Daoism. We will examine the primary philosophic questions addressed by each tradition, and where appropriate seek to make connections to parallels in Western thought. Overall, the goal of this course is to introduce how these different traditions offer valuable contributions to general philosophical questions. Prerequisite: ENGL 1113 or concurrent enrollment.

PHIL 2091-3 Special Topics in Philosophy (Variable)
Directed individual or class study of special topics in philosophy. Permission of professor required.

PHIL 2103 Social & Political Philosophy (3-0-3)
The study of classic and contemporary ideas and ideologies that shape the current debates in politics, help define the major issues in the modern world, and provide the basis for interpreting and analyzing current policy issues and political events. Crosslisted with POLS 2803. Prerequisite: ENGL 1113 or concurrent enrollment.

PHIL 2113 Introduction to Logic & Critical Thinking (3-0-3)
This is a training course in critical reasoning skills and formal logic. The first half of the course is devoted to a general introduction to critical reasoning, obstacles to critical reasoning studied by cognitive psychologists, and inductive argumentation, especially determining probabilities. The second half of the course is devoted to the use of formal logic in the evaluation of statements and arguments. All topics in the course are geared especially toward the practical applicability of critical reasoning skills. Prerequisite: ENGL 1113 or concurrent enrollment.

PHIL 2203 Philosophy of Religion (3-0-3)
The focus of this course is the application of philosophy to religious world views. Topics covered may include the following: arguments for the existence of God, the problem of evil, the rationality of religious belief, religious experience, atheism, religious exclusivism versus pluralism, paradoxical attributes of God, non-traditional/non-Western conceptions of God and religion. Prerequisite: ENGL 1113 or concurrent enrollment.

PHIL 2303 Introduction to Ethics (3-0-3)
This course focuses on many of the major ethical systems and issues in the history of philosophy. Special emphasis is given to Western or traditional ethical systems, though some non-traditional ethical systems are also considered. The course also includes the application of these systems to specific moral issues and moral dilemmas. Prerequisite: ENGL 1113 or concurrent enrollment.

Philosophy (PHIL), continued

PHIL 2401-3 Internship in Philosophy (Variable)
This course enables students to gain legitimate work experience in an academic setting. Responsibilities will include but are not limited to research, marketing, organizational projects, clerical work, presentations, and report writing. This course provides a valuable opportunity especially to students who aim to acquire advanced professional degrees or join the work force upon completion of their baccalaureate degrees. Prerequisite: Completion of 6 hours of philosophy and permission of professor required.

PHIL 2503 Philosophy Capstone (3-0-3)
Philosophy Capstone evaluates the philosophical prowess of students seeking an associate's degree in philosophy. Capstone is especially designed to provide adequate preparation for studying philosophy at a four-year institution. This course is required for students graduating with a Liberal Studies (Philosophy Emphasis) degree. Prerequisite: Completion of at least 9 hours in philosophy with a grade of C or better.

PHIL 2603 The Ethics of Data Science (3-0-3)
Data and digital technology permeate a wide range of life including areas like media, medicine, law, insurance, commerce, banking, politics, education, and advertising. This course provides the tools needed to recognize, analyze, and evaluate the ethical implications of this phenomenon. Through exposure to ethical frameworks and multiple case studies, students will develop the ethical discernment needed to analyze and cope with data and digital technology-related problems as small as everyday shopping decisions and as large as national elections. Topics covered in the course may include patient and consumer privacy, algorithmic bias, honesty in data reporting, misinformation and manipulation of information, pricing and credit lending policies, medical diagnoses, and artificial intelligence. Prerequisite: ENGL 1113 or concurrent enrollment

Physical Science (PHSC)

PHSC 1001 Earth Science Lab (0-2-1)
A study of the earth sciences that will include topics in geology, oceanography, meteorology and astronomy. This course is designed for those students who are not majoring in science and need a physical science lab. Prerequisite: PHSC 1003 or concurrent enrollment.

PHSC 1003 Earth Science (3-0-3)
This is a non-science major's course that will give the student an overview of the physical environment with balanced, up-to-date coverage of the earth sciences (geology, oceanography, astronomy and meteorology). It is intended for the student with little background in science. Prerequisite: MATH 0124 or equivalent.

PHSC 1114 Physical Geography (3-2-4)
This course offers a systematic introduction to the physical earth; including earth materials, landform processes, and resultant landforms. Topics of analysis include maps and globes, earth/sun relationships, climate and weather; and the shaping of landforms. Human interactions and impacts on the local, regional, and global environment are also discussed. During the lab, students complete exercises requiring "hands on" use of geographical tools of interpretation. This course is cross-listed with GEOG 1114. Lab fee $10.00. Prerequisite: MATH 0124, Foundations of Math or equivalent

PHSC 1313 General Physical Science (3-0-3)
Principles, techniques, and facts from the fields of astronomy, chemistry, geology, and physics will be explored as they relate to the scientific method and to living in the complex world today. This is a general education course for non-science majors. Prerequisite: MATH 0144 or equivalent.

PHSC 2091-5 Special Topics in Physical Science (Variable)
Directed individual study of special topics and special courses in physical science. Course credit may be applied toward meeting the physical science requirement of associate degree programs.

Physics (PHYS)

PHYS 1253 Introductory Musical Acoustics & Sound (3-0-3)
Introduction to basic concepts in the science of vibration, waves, and sound. Topics may include the production of sound by selected musical instruments and electronic components, the voice, psychological and physiological aspects of sound perception, and room acoustics. Topics explored through lectures, physical and multimedia demonstrations, interactive discussions and activities. This course is designed for students with little or no background in physics. Prerequisite: MATH 0144 or equivalent.

PHYS 1513 Introductory Physics (3-0-3)
Introduction to basic physics concepts and selected applications. Topics may include mechanics, heat, wave, sound, electricity, magnetism, light and optics. The course is designed for students with little or no background in physics. This course will also fulfill the 3 credit-hour physical science requirement. Prerequisite: MATH 0144 or equivalent.

PHYS 2091-6 Special Topics in Physics (Variable)
A study of special topics and special interest courses in physics. These courses offer special instruction in selected topics in physics with associated experimental work. May consist of specialized physics courses offered to technical personnel of area companies, agencies, or other select groups in the community. Lecture and lab hours variable. This course cannot be applied to General Education Requirements.

PHYS 2401 General Physics Laboratory I (0-2-1)
A general physics lab containing experiments utilizing computer graphing and measuring techniques within selected topics from mechanics, heat, waves, and sound. Lab fee: $15. Prerequisite: PHYS 2414 or PHYS 2434 or concurrent enrollment.

Physics (PHYS), continued

PHYS 2411 General Physics Laboratory II (0-2-1)
A general physics lab containing experiments utilizing computer graphing and measuring techniques within selected topics from electricity, magnetism, light, optics, and modern physics. Lab fee: $15. Prerequisite: PHYS 2424 or PHYS 2444 or concurrent enrollment.

PHYS 2414 General Physics I (4-0-4)
Introduction to basic theories and applications from selected topics within mechanics, heat, waves, and sound. This course may be for students entering fields other than physics, engineering, or chemistry. Particularly designed to fulfill the needs of the students in such fields as pre-med, pharmacy, and secondary education. Prerequisite: MATH 1513 or equivalent.

PHYS 2424 General Physics II (4-0-4)
Introduction to basic theories and applications from selected topics within electricity, magnetism, light, optics, and modern physics (optional). Continuation of PHYS 2414. Prerequisite: PHYS 2414 or equivalent.

PHYS 2434 Physics I for Engineering & Science Majors (4-0-4)
Fundamental theories and applications from selected topics within mechanics, heat, waves, and sound. This course services physics, engineering, chemistry, other sciences, and technical fields requiring a calculus-based first semester physics course. Prerequisite: MATH 1914 or equivalent.

PHYS 2444 Physics II for Engineering & Science Majors (4-0-4)
Fundamental theories and applications from selected topics with electricity, magnetism, light, optics, special relativity and modern physics. This course services physics, engineering, chemistry, other sciences, and technical fields requiring a calculus-based second semester physics course. Continuation of PHYS 2434. Prerequisites: PHYS 2434, MATH 1914, or permission of professor.

PHYS 2502 Advanced Physics Laboratory (0-4-2)
Extended study of various topics in physics with emphasis on the associated experimental work. Includes special instruction with independent study responsibilities. Experiments will utilize computer support when appropriate. Lab fee: $15. Prerequisite: PHYS 2401 or PHYS 2411.

PHYS 2943 Modern Physics for Engineers (3-0-3)
Introduction to the fundamental concepts, mathematical methods, and selected applications utilized within major topics of modern physics. These topics include special relativity, wave properties of particles, quantum mechanics (Schrodinger Equation), the physics of atoms, molecules, and nuclei. Additional topics within solid state and statistical physics may be included as time permits. Topics explored through lectures, physical and multimedia demonstrations, interactive discussions, and possible project/lab related activities. Prerequisites: PHYS 2444 and MATH 2973, or permission of professor.

Political Science (POLS)

POLS 1113 American Federal Government (3-0-3)
A study of the principles, structure, processes, and functions of the United States Federal Government. Includes political parties and interest groups, political theory, civil rights, and political behavior.

POLS 1123 Introduction to Law Enforcement (3-0-3)
A course designed to acquaint the student with the goals, functions, historical background, and operation of the field of Law Enforcement and to satisfy part of the requirements for the Collegiate Officer Program. Career opportunities in Law Enforcement will be explored. This course is required for all Collegiate Officer Program students. Crosslisted with CJ 1123.

POLS 2091-3 Special Topics in Political Science (Variable)
Directed individual study or class in specific topics in Political Science. Topics to be determined by the program needs of student. May be repeated for a maximum of 3 credit hours.

POLS 2103 Introduction to Political Science (3-0-3)
This course is a study of the history, literature, methods and areas of concentration within the academic discipline of Political Science. It will include introductions to both normative and empirical aspects of that discipline.

POLS 2191-3 Political Science Internship (Variable)
This course provides the opportunity for on-the-job training to students enrolled in the Political Science program. Students will be placed for a given number of work hours to intern with professionals in a governmental office. Prerequisite: sophomore standing; permission of professor required.

POLS 2203 Introduction to Public Policy (3-0-3)
Explores government actions to address social problems such as crime, poverty, health care, education, welfare reform, and the environment. Focuses on how to craft policy responses to conflict situations; resolve competing political demands for more services yet lower taxes; and achieve important societal goals of efficiency, equity, fairness, and freedom.

POLS 2213 Introduction to Campaigns & Elections (3-0-3)
This class is designed to prepare students for participation and theory of political campaigns of the United States political system. The course is an overview of major campaign topics (e.g., strategy, message and planning, support operations, campaign technology, political culture and public opinion, targeting, budgeting and fund-raising, candidate activity, contacting voters individually and in groups, mail and cyberspace campaigning in the mass media, GOTV [getting-out-the-vote], etc.).

POLS 2303 Introduction to Mass Media & Politics (3-0-3)
Introduction to Mass Media & Politics is a survey of the international and American media system, including the digital media and internet, and the role of the media in modern politics. The course will cover the traditional media (print and broadcast) and emphasize the importance of the new (or digital) media in delivering political news and information; in fostering participation among citizens to sociopolitical events; and how political information impacts our decisions as political actors.

Political Science (POLS), continued

POLS 2383 Power, Mobilization, and Revolution (3-0-3)
This course examines the roles that power structures, forces of mobilization, and revolutionary dynamics have played in the development of mass political movements across time and space. Topics will include revolutionary uprisings, radical political philosophies, civil rights issues, and the maturation of sociopolitical interest groups. The curriculum will encourage students to think critically and creatively about political institutions in order to understand what motivated revolutionary behavior; to explore how political reform movements lived and died in relation to the political systems in which they operated; and evaluate complex social and political phenomena and their changes over time. Cross-listed with HIST 2383.

POLS 2403 Introduction to Comparative Political Systems (3-0-3)
A survey of the theories of democracy, communism, fascism, socialism, and capitalism in relationship to nationalism and international politics. The student will utilize basic theories and methods of comparative analysis in studying selected nation-states. Relevant international political issues and events will also be examined. Topics for analysis will include political development/governance, culture, elites, parties and political change (including social movement theory.) Prerequisite: POLS 1113

POLS 2503 Introduction to International Relations (3-0-3)
This course is a study of the principles, structures, processes, and functions of governments and politics around the world. The course explores the nature of the political ideology, government structures, and pressing issues. Analysis and discourse will include how the different regions and levels of government interact with one another and the role citizens play in the governmental process. Students should have a firm grasp of current political issues that are occurring in the nation as well as around the world. Prerequisite: POLS 1113

POLS 2603 Introduction to Public Administration (3-0-3)
Introductory course in Public Administration. The course is involved with administration, administrative organization, decision-making processes, human relations, and responsibilities of administrators in the public sector.

POLS 2703 Introduction to State & Local Government (3-0-3)
A study of the constitutional provisions, organization, political processes, and problems facing state and municipal governments.

POLS 2803 Introduction to Political Theory (3-0-3)
The study of classic and contemporary ideas and ideologies that shape the current debates in politics, help define the major issues in the modern world, and provide the basis for interpreting and analyzing current policy issues and political events. Crosslisted with PHIL 2103.

Potawatomi (POTA)

POTA 1115 Elementary Potawatomi Language I (5-0-5)
Through a partnership between the Citizen Potawatomi Nation Language Department and the college, this language course will introduce students to the culture, history, phonology, morphology, syntax, conversational practice, and vocabulary of Bodewadmimwen (Potawatomi Language). Framed in a seasonal context, four modules guide students through a Potawatomi-centered worldview to create story-listeners and - tellers. By the end of the course, students will appreciate the central significance of Bodewadmimwen and join the revitalization effort by writing their own original children's book. Prerequisite: ENGL 1113 or concurrent enrollment

Psychology (PSYC)

PSYC 1103 Psychology of Human Relationships (3-0-3)
This course considers the formation, development and maintenance of interpersonal relationships of all kinds. Emphasis is placed on understanding relationship dynamics, interpersonal communications, and interpersonal problem-solving strategies. Topics covered may include: active listening skills, developing intimate relationships, effective interpersonal boundary management, non-verbal communication and conflict resolution.

PSYC 1113 Introduction to Psychology (3-0-3)
This course is a comprehensive survey of the major academic subdivisions within the science of psychology. Topics covered may include: the biology of behavior and perception, states of consciousness, intelligence, motivation, personality, psychosocial development, adjustment to stress, psychological disorders, and methods of treatment for psychological disorders.

PSYC 1223 Careers & Writing in Psychology (3-0-3)
This course familiarizes students with the diversity of psychology as a science and as a profession. Through an exploration of career options in psychology, students design degree plans and curriculum vitae in preparation for academic and professional advancement. The course also focuses on the development of students' skills in producing and evaluating psychological writing, as well as considering the impact of bias and subjectivity in producing and evaluating psychological writing.

PSYC 2091-3 Special Topics in Psychology (Variable)
This course is directed, individual study or a class for particular topics within the field of psychology. Topics will be determined by the program needs of the student(s). This course may be repeated for a maximum of 3 credit hours. Depending upon the content of the course, PSYC 1113 may or may not be a prerequisite. Permission of Dean of the Social Sciences Division required.

Psychology (PSYC), continued

PSYC 2123 Sex & Gender (3-0-3)
This course is a study of sex and gender formation and expression. It includes a focus on sex and gender role stereotypes and how they affect the lives of both men and women. Also covered are socialization into sex and gender roles, a comparison of occupational distributions and earnings of men and women, and an analysis of the social movements which work for a change in stereotyped sex roles. Crosslisted with SOC 2123. Prerequisite: ENGL 1113 and PSYC 1113.

PSYC 2213 Developmental Psychology (3-0-3)
This course considers the theories, current research, and practical applications regarding the social, emotional and cognitive development of humans across the life span. Specific topics covered may include: prenatal development, social attachment, navigating adolescent identity issues, existential issues in old age, language development, and moral development. Prerequisite: PSYC 1113 and ENGL 1113.

PSYC 2303 Personality Theories (3-0-3)
This course examines the major theories and theorists concerned with the development, structure, and measurement of personality: the organization of one's cognition, emotions, and behaviors. Prerequisite: PSYC 1113 and ENGL 1113.

PSYC 2313 Introduction to Counseling (3-0-3)
This course considers the major principles, goals, and styles of counseling as these developed from theories of personality development and psychological research. Psychodynamic, Client-Centered, Behavioral, Gestalt, and eclectic approaches may be examined. Prerequisite: ENGL 1113 and PSYC 1113 **OR** PSYC 1103.

PSYC 2323 Social Psychology (3-0-3)
This course examines the theory and research concerning the role of the individual in society and the effects of social interactions on individual behavior. Topics covered may include: social cognition, social perception, social learning, attitudes and attitude change, conformity, prosocial behavior and aggression, and social influence. Prerequisite: PSYC 1113 and ENGL 1113.

PSYC 2391-3 Psychology Internship (Variable)
This course will allow students, through internships, the opportunity to observe and experience a variety of activities directly related to the operation of psychology in a variety of clinical and service settings.

PSYC 2403 Child Psychology (3-0-3)
This course provides an in-depth study of the psychological unfolding of children, from birth through adolescence, within the social and cultural expectations of the various components of society. Topics considered may include: physical development, moral development, peer relationships, aggression, emotional development, and cognitive development. Prerequisite: PSYC 1113.

PSYC 2413 Psychology of Human Sexuality (3-0-3)
This course examines the nature and role of sexuality within and among humans. Emphasis is placed on the development of healthy interpersonal relationships and contemporary issues in sexuality. Topics covered may include: male and female sexual anatomy and physiology, attraction and love-binding forces, relationship dynamics, sexual orientation, sexual dysfunctions and their treatment, and sexually transmitted infections. Prerequisite: PSYC 1113 and ENGL 1113.

PSYC 2433 Observing & Assessing Human Behavior (2-1-3)
This course explores various methods used to document and evaluate the development of young children (infants through 8 years old) in structured and unstructured situations. PSYC 2433 will highlight the value of keen observation in order to record and assess the social, physical, language, intellectual, creative and emotional development in young children. Ethics, confidentiality, teacher accountability, family communication, portfolio organization, developmental milestones, the process of identifying individual strengths and challenges are some of the topics that will be addressed. Supervised field observation experiences are mandatory. Before beginning professor-approved supervised field observation experiences, students must complete and pass an OSBI Background Check and drug screening test. These 2 requirements will be at cost to the student. Crosslisted with FSCD 2433. Permission of professor required.

PSYC 2503 Psychology Statistics (3-0-3)
This course is designed to familiarize the student with the application of statistical methods to research in psychology. Topics covered may include: experimental design, measures of central tendency and variability, z-scores, normal distribution, correlation, regression, sampling distributions, hypothesis testing, t-tests, and squared tests. Prerequisites: PSYC 1113 and MATH 0124 or equivalent.

PSYC 2523 Child Growth & Development (3-0-3)
This course considers the growth and development of the child from conception through adolescence. Topics covered may include the responsibilities of parenthood, physical growth, intellectual growth, personality development, social and family adjustment, and communication. Crosslisted with FSCD 2523.

PSYC 2703 Psychology of Abnormal Behavior (3-0-3)
This course focuses on the systematic description, diagnosis, and origins of psychological disorders. Case studies and films will be used to depict particular disorders contained in the Diagnostic and Statistical Manual of Mental Disorders. Topics covered may include: common myths and misconceptions regarding abnormal behavior, assessment, schizophrenia, anxiety disorders, personality disorders, childhood disorders, and mood disorders. Prerequisite: PSYC 1113 and ENGL 1113.

Reading (READ)

NOTE: Rose State College is committed to the academic success of its students. Appropriate placement is a vital element to each student's success. A student's placement scores (within 3 years) through high school GPA, ACT, SAT, or Next Generation ACCUPLACER adequately determine college-entry level. If this level is not cleared by the test, developmental courses may be required.

READ 1203 Reading & Vocabulary Enrichment (3-0-3)
This course is designed to improve the student's reading and vocabulary skills. Each student's reading level is determined through diagnostic testing and an individualized program is planned for improvement through the use of the textbook and reading lab.

READ 1213 Advanced Reading & Vocabulary Enrichment (3-0-3)
This course is designed to improve students' reading comprehension, reading rate, vocabulary skills, and ability to read and comprehend content areas across the curriculum. Each student's reading, vocabulary, and reading rate level is determined through diagnostic testing, and an individualized program is planned for improvement through the use of the textbook and reading lab. Prerequisite: Satisfactory reading assessment score or READ 1203.

READ 2091-3 Special Topics in Reading (Variable)
Class study designed to address special topics in reading. May be repeated with different topics. Prerequisites will vary with topics.

Sociology (SOC)

SOC 1113 Introduction to Sociology (3-0-3)
This course will examine fundamental sociological concepts and how they relate to everyday lives. It is designed to provide a critical approach to understanding society, including collective behavior, community life, social institutions, and social change. Students will also discuss and examine how the sociological perspective can help us understand various positions on current issues. While principles and concepts of social science and its methodologies are introduced, emphasis is placed on the critical discussions of social issues resulting from cultural differences and diversity, social discrimination, social mobility, gender bias, and economic inequalities. Prerequisite: ENGL 1113.

SOC 2091-3 Special Topics in Sociology (Variable)
Directed individual study or class in specific topics in Sociology. Topics to be determined by the program needs of students. May be repeated for a maximum of 3 credit hours. Permission of Division Dean required.

SOC 2113 Introduction to Social Work (3-0-3)
An introduction to the profession of social work, its purposes, professional values, scope and methods. Students will review the history and development of the American Social Welfare system and social services policy in the United States. Prerequisite: ENGL 1113.

SOC 2123 Sex & Gender (3-0-3)
This course is a study of sex and gender formation and expression. It includes a focus on sex and gender role stereotypes and how they affect the lives of both men and women. Also covered are socialization into sex and gender roles, a comparison of occupational distributions and earnings of men and women, and an analysis of the social movements which work for a change in stereotyped sex roles. Crosslisted with PSYC 2123. Prerequisites: ENGL 1113 and SOC 1113.

SOC 2223 Social Problems (3-0-3)
This course examines major social problems in American society, such as substance abuse, crime, mental and physical illness, poverty, and inequality. Each social problem is analyzed through the contexts of history, globalism, theory, research, and social policy to understand its causes and consequences. Possibilities for effective prevention and solutions for social problems are also explored. Prerequisite: ENGL 1113.

SOC 2333 Families & Substance Abuse (3-0-3)
Families and Substance Abuse is a course in which the student examines the family as a social institution and the influences that substance abuse has on the institution. Major emphasis is placed on theoretical models of substance abuse, social and historical context of substance abuse, legal aspects of drug abuse, and issues that typically exist in families dealing with substance abuse. Crosslisted with FSCD 2333. Prerequisites: ENGL 1113 and SOC 1113.

SOC 2403 The Family in Society (3-0-3)
This course will focus on the family as a social institution. It will provide a historical and multi-cultural overview of the family, as well as address the many issues facing and redefining the modern family. Throughout the duration of the course, students will examine the relationship between social inequality and the family with a particular focus on gender inequality, the current parameters of family roles, and the impact of social class, race, and ethnicity. Crosslisted with FSCD 2403. Prerequisites: ENGL 1113 and SOC 1113.

SOC 2463 Understanding Child Abuse & Neglect (3-0-3)
The purpose of this course is to provide a general introduction to the topic of child welfare, including abuse and neglect. The student will be given information about how children have been viewed throughout history and within various cultural contexts. The student will learn about the various methods of child welfare, intervention and prevention strategies, and how the social services systems response to child abuse and neglect has evolved. Crosslisted with FSCD 2463. Prerequisite: ENGL 1113.

SOC 2503 Criminology (3-0-3)
A study of the nature and causes of various forms of illegal activity. Emphasis is given to the role of social factors in the genesis of deviant motivation and to the question of how this motivation comes to be expressed as criminal activity. Crosslisted with CJ 2503. Prerequisites: ENGL 1113 and SOC 1113.

Social Sciences Special Topics (SOSC)

SOSC 2091-4 Special Topics in the Social Sciences (Variable)
Selected topic(s) in one of the subject areas offered in the Social Sciences. Topics to be determined by program needs of students. Permission of professor and Division Dean required.

SOSC 2191-4 Social Science Internship (Variable)
This is a lab course designed to provide Social Sciences majors with work experience which is directly related to their major program. Permission of Division Dean required.

Spanish (SPAN)

SPAN 1003 Basic Spanish Conversation (3-0-3)
This is the first introductory Spanish conversation course. It is an introduction to the target language with a focus on listening and speaking, providing intensive practice in the language on topics of everyday life. The primary purpose of this course is to give students conversational patterns they can use in their daily life. The secondary purpose is to give students more specific vocabulary and patterns for specific topics. This class may be taken for Liberal Arts Elective or General Education Elective.

SPAN 1115 Elementary Spanish I (5-0-5)
This course is an introduction to the Spanish language. Through study of Spanish grammar, vocabulary, and pronunciation, this course emphasizes the development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in Spain and Hispanic America. Prerequisite: ENGL 1113 or concurrent enrollment.

SPAN 1225 Elementary Spanish II (5-0-5)
This course is a continuation of Elementary Spanish I. Through study of Spanish grammar, vocabulary, and pronunciation, this course emphasizes the continuing development of speaking, writing, reading, and understanding the language at a novice level while developing an appreciation of life in Spain and Hispanic America. Prerequisite: SPAN 1115.

SPAN 1261 Spanish Immersion (1-0-1)
The Spanish Immersion course provides an intensive language-learning experience for the student who has some background in Spanish. Following an orientation meeting on campus, students spend a weekend at an off-campus location hearing and speaking only Spanish. In addition to some formal classes focusing on selected topics of vocabulary and grammar, students participate in a variety of activities enabling them to experience a total immersion. Prerequisite: SPAN 1115 or permission of professor.

SPAN 2091-3 Special Topics in Spanish (Variable)
Directed individual or class study of special topics in Spanish. May be repeated with different topics. Permission of professor required.

SPAN 2113 Intermediate Spanish I (3-0-3)
This course concentrates on the solidification and expansion of the Spanish skills learned at the elementary level. Emphasis is on using the language in varying situations through readings, conversations, and compositions. Prerequisite: SPAN 1225.

SPAN 2223 Intermediate Spanish II (3-0-3)
This course is a continuation of SPAN 2113. Through more advanced readings, conversations, and compositions, students will successfully achieve an intermediate level of ability to use the language in speaking, writing, reading, and understanding of the language. Prerequisite: SPAN 2113.

Student Services (STSR)

STSR 0101-3 Special Topics in Student Services (Variable)
This course is designed to be used for topics that involve classes for students who lack the necessary skills to be successful in college-level courses.

Theatre (TH)

TH 1103 Stagecraft (3-0-3)
Principles of constructing, rigging, painting, and assembling modern stage scenery and equipment. Requires 16 laboratory hours which include some evenings and weekends. This course is cross-listed with FSDM 1103.

TH 1311 Theatre Production I (0-3-1)
Theatre Production I is a lab for the exploration, development, and synthesis of all the elements of theatre. Practical hands-on experience through acting, directing, technical theatre work and theatre management are provided through the preparation and public performance of plays and musicals. Students participate in all phases of production including research, set construction, safety, acting, directing, design, and business management.

TH 1321 Theatre Production II (0-3-1)
Theatre Production II is a continued lab for the exploration, development, and synthesis of all the elements of theatre. Practical hands-on experience through acting, directing, technical theatre work and theatre management are provided through the preparation and public performance of plays and musicals. Students participate in all phases of production including research, set construction, safety, acting, directing, design, and business management. Prerequisite: TH 1311.

TH 1341 Theatre Dance–Ballet Technique (0-3-1)
Theatre Dance - Ballet Technique introduces students to the fundamentals of classical ballet technique. In each class, students participate in conditioning, movement exercises and

Theatre (TH), continued

dance phrases designed to increase knowledge and improve execution of basic ballet steps.

TH 1351 Theatre Dance–Jazz & Tap (0-2-1)
Fundamentals of jazz and tap dance technique. The course will cover terminology, basic steps, history and style. Students will learn musical theatre dance combinations.

TH 1353 Introduction to Theatre (3-0-3)
A survey and analysis of theatre history, literature and practices relating the relevance of the theatre as a social force. Theatre is examined from the perspectives of audience, playwright, director, actor, and designers. May also be taken for Humanities credit.

TH 1513 Acting I (3-0-3)
Designed to acquaint the beginning actor with the fundamentals of acting, this course explores the physical, vocal, emotional, and technical aspects of the actor's craft.

TH 1533 Voice & Diction (3-0-3)
Study of vocal mechanism, phonetics, International Phonetic Alphabet, and related exercises to improve student's voice, articulation, pronunciation and expressive intonation for effective oral communication.

TH 1742 Musical Theatre Performance I (1-2-2)
Musical Theatre Performance I is the beginning foundational fundamentals of musical theatre course, exploring and understanding all aspects of the craft: singing, dancing and acting. Emphasis includes interview, audition techniques and theatre song study methods. Concurrent enrollment in MUS 2512 required. Crosslisted with MUS 1742.

TH 1752 Musical Theatre Performance II (1-2-2)
Musical Theatre Performance II continues foundational fundamentals of musical theatre, exploring and understanding all aspects of the craft: singing, dancing and acting. Emphasis includes interview, audition techniques, and theatre song study methods. Crosslisted with MUS 1752. Prerequisite: TH 1742.

TH 2091-4 Special Topics in Theatre (Variable)
Directed individual or class study of special topics in theatre may be repeated with different topics. Permission of professor required.

TH 2113 Theatrical Make-Up (3-0-3)
This course is designed to acquaint students with the purpose, principles, practices and materials of stage make-up. This course covers straight, character, middle age and old age make-up, fantasy types, and the application of hair, latex and other make-up elements.

TH 2331 Theatre Production III (0-3-1)
Theatre Production III is a continued lab for the exploration, development, and synthesis of all the elements of theatre. Practical hands-on experience through acting, directing, technical theatre work and theatre management are provided through the preparation and public performance of plays and musicals. Students participate in all phases of production including research, set construction, safety, acting, directing, design, and business management. Prerequisite: TH 1321.

TH 2523 Acting II (3-0-3)
This course will develop the actor's craft through scene study and various techniques of character analysis and development. Prerequisite: TH 1513.

TH 2713 Directing (3-0-3)
The use of theory and practical exercise will be applied to acquaint the student with techniques of play analysis, directing, and stage management. Prerequisites: TH 1513 and TH 1353.

TH 2721-3 Theatre Internship (Variable)
The student will gain practical experience in a specific aspect of the theatre by working with a professional or semi-professional company either as an actor or as part of the production team. Prerequisite: TH 1321.

TH 2902 Theatre Capstone Project (2-0-2)
An exit/assessment project required for all students completing a Liberal Studies degree with the Theatre emphasis. Enrollment in and completion of this course should be done during the semester the student plans to graduate or the semester before. This course consists of 5 components which are intended to apply theatrical principles learned from the Program Requirements in one final professional project. Prerequisites: TH 1103, TH 1513, TH 1311, TH 1321, TH 2331, and 6 hours of additional program requirements and permission.

Technical Supervision & Management (TSM)

NOTE: For information on TSM courses, contact the Professional Training Center, (405) 733-7488. (These courses are available only through Rose State College external training agreements with various business entities.)

TSM 1101 Leadership (1-0-1)
This course is the first course of the sequence. As the introductory course, Air Logistics Center officials meet with the participants to discuss such concepts as the vision for Air Logistics Center and the importance of shared vision, and response to change. Emphasis is placed on team building and employee involvement. Participants define leadership and identify leadership behaviors, as well as, develop appreciation among team members by identifying the tasks and roles to be accomplished.

TSM 1201 General Management (1-0-1)
Establishing balance is necessary to accomplish tasks while maintaining the morale of the workforce. Participants will understand the supervisor's role in supervising employees on an individual, as well as, a group basis. The supervisor's relationship with higher-level managers and associates will also be discussed. Further emphasis will be placed on planning, organizing, controlling, and directing skills in the role of a supervisor. As a continuation of the Leadership course, it is important for the participant to take this course second.

TSM 1301 Communications (1-0-1)
This course is an overview of communications, designed to acquaint participants with written and verbal communication techniques, which are more effective and more efficient. Participants will practice and improve written communications skills by preparing a memo and email and oral communications by preparing a basic briefing on a topic within the scope of their position on base. Tinker Air Force Base communication procedures will be incorporated into the course. This course should be taken after TSM 1201 and before TSM 2903.

TSM 1311 Basic Writing & Computer Skills (1-0-1)
This course is an overview of basic business communications, designed to acquaint participants with written communication techniques that can be applied in the workplace. Participants will practice and improve written communication skills by preparing business memorandums, email communications, and computer documents on topics pertinent to the scope of their assigned position in the workplace.

TSM 1601 Conflict Resolution (1-0-1)
In this course participants will identify attitudes/behaviors that create conflict, approaches to resolution and cooperation. Coaching disputing parties to communicate productively, distinguishing between positions, issues and interests will be discussed. This course should be taken after TSM 1201 and before TSM 2903.

TSM 1701 Alternative Dispute Resolution (1-0-1)
ADR will analyze the various aspects and components of alternative dispute resolution processes and negotiation skills. Particular emphasis will be given to the employment mediation process. This course should be taken after TSM 1201 and before TSM 2903.

TSM 1901 Resolving Conflict in the Workplace (1-0-1)
This course is designed to enhance the first-level supervisor's effectiveness in resolving conflict in the workplace. Students will gain an understanding and develop their utilization of specific problem-solving, arbitration, mediation, and negotiating skills. Topics such as identifying attitudes/behaviors that create conflict, approaches to resolution including the alternative dispute resolution process, and promoting cooperation will be addressed.

TSM 2091-6 Special Topics (Variable)
Courses offered within a business and industry partnership may be available for college credit. Special topics courses with the TSM prefix are available for training provided that they are offered in conjunction with the Education and Training Partnership between Rose State College and Tinker Air Force Base.

TSM 2103 Organizational & Team Effect (3-0-3)
This course has been designed to address business and industry needs in the areas of team formation, project management, management style, stress, conflict, motivation, change management, interpersonal communication, managing changes and resolving conflicts and disputes. This course is designed to be offered in a seminar format with flexibility for appropriate modification to respond to contracts for business and industry training and development.

TSM 2311 Internal Customer Service (1-0-1)
This course covers the building blocks for creating a culture of service, incorporating the nine principles of service excellence as described by Quint Studer in Hardwiring Excellence, and helps students develop specific skills needed for addressing routine as well as challenging customer service situations.

TSM 2403 Personnel/Human Relations (3-0-3)
Understanding the relationship between organizational requirements and characteristics of its people, as well as, the rights and responsibilities of employees, managers and unions in the workplace will be presented in this course. Specifically, the effects of change, morale and quality of life for the employee coupled with the human relations challenges facing individuals and organizations will be discussed. In addition, the impact of social systems, technical systems and administrative systems including employee appraisals, discipline, awards, discrimination, sexual harassment, grievances, training, staffing, safety, ergonomics and unions will be presented. Each participant will complete a DISC Profile to determine his/her personality traits. Discussion about how different personality traits affect a person's leadership and supervisory style will help participants analyze their own traits. This is a 5-day course and should be taken after TSM 1201 and before TSM 2903.

TSM 2411 Developing Human Relations Skills for the Workplace (1-0-1)
This course covers basic interpersonal skills that are needed for establishing and maintaining positive relationships in the workplace and to appropriately address and effectively resolve conflicts that may occur in the workplace.

Technical Supervision & Management (TSM), continued

TSM 2421-3 Developing Leadership Skills in the Workplace (Variable)
This course covers basic leadership and interpersonal skills that are needed for establishing and maintaining positive relationships in the workplace and to appropriately address and effectively resolve conflicts that may occur in the workplace.

TSM 2703 Human Relations in Supervision (3-0-3)
This course is designed to provide the first-level supervisor the necessary interpersonal communications skills required to be effective in a large or small organization as well as in individual settings. The effects of change, morale and quality of life for the employee will be incorporated in the course coupled with the human relation challenges facing individuals and organizations. This course will incorporate the impact of social systems, technical systems, and administrative systems on the activities in the workplace.

TSM 2711 On-the-Job Training & Coaching (1-0-1)
This course prepares students to be effective on-the-job trainers and coaches to other employees in their areas.

TSM 2803 Financial Management/Analysis (3-0-3)
This course is designed to instruct supervisors about the federal budget cycle process and funds associated with producing center specific profit/loss projections. Key financial principles, standards and metrics will be presented in conjunction with, efficiencies, indirect labor factors, labor standards, overhead and overtime issues. This is not an accounting course, but a course to enlighten participants about how their work areas fit into, contribute to and benefit from the overall financial picture of the base. This course should be taken after TSM 1201 and before TSM 2903.

TSM 2813 Federal Budget Analysis & Management (3-0-3)
This course is designed to instruct first-level supervisors and managers of the importance of managing an organization within the constraints of Federal Budget and recognize the importance of using basic management skills in the implementation of their financial management responsibilities. The course will include the federal budget cycle process and funds associated with producing center specific profit/loss projections. Key financial principles, standards and metrics will be incorporated in conjunction with efficiencies, indirect labor factors, labor standards, overhead and overtime issues.

TSM 2903 Organizational Behavior (3-0-3)
In this course, participants will learn about developing structure, individual responsibility, rewards, risks and risk taking, warmth and support, tolerance and conflict in an organizational setting. Emphasis will be placed on continual improvement, ethical management practices and social responsibilities and will include employee motivation, group dynamics, communication, leadership, supervisor effectiveness and employee/manager relations. As the capstone course, this should be the participant's last course.

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Index

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