

Transfer Agreement  
Between  
Rose State College  
And  
University of Oklahoma,  
Gallogly College of Engineering

Effective Academic Year: 2022-2023

Engineering Associate in Science Degree, General Option

And

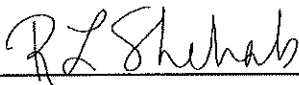
Bachelor of Science in Industrial and Systems Engineering



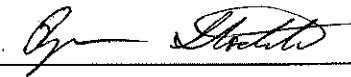
Dr. Shivakumar Raman  
Director  
School of Industrial and Systems Engineering  
Gallogly College of Engineering



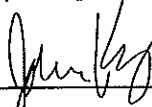
Steven Fowler  
Engineering Coordinator  
Engineering & Science  
Rose State College



Dr. Randa Shehab  
Senior Associate Dean for Academic Affairs and  
Faculty  
Gallogly College of Engineering



Dr. Ryan Stoddard  
Dean  
Engineering and Science  
Rose State College



Dr. John Klier  
Dean  
Gallogly College of Engineering



Isabelle Billen  
Vice President  
Academic Affairs  
Rose State College

ROSE STATE COLLEGE  
Engineering Associate in Science (AS) – General Option

UNIVERSITY OF OKLAHOMA  
Bachelor of Science (BS) in Industrial Systems Engineering

# ROSE STATE COLLEGE

Year	FIRST SEMESTER		SECOND SEMESTER	
	Rose State College Class	OU Equivalent	Rose State College Class	OU Equivalent
<b>FIRST</b>	ENGL 1113 English Comp. I	ENGL 1113	ENGL 1213 English Comp. II	ENGL 1213
	CHEM 1135 Gen. Chemistry I	CHEM 1315	POLS 1113 Am. Fed. Government	PSC 1113
	HIST 1483 or US History to 1877 or	HIST 1483 or 1493	MATH 2924 Calculus II	MATH 2924
	HIST 1493 US History since 1877		PHYS 2434 Physics I	PHYS 2514
	MATH 1914 Calculus I	MATH 1914	PHYS 2401 Gen. Physics Lab I	--
			Humanities	Humanities (Core IV)
	<b>RSC Credit Hours: 15</b>	<b>Transfer Hours: 15</b>	<b>RSC Credit Hours: 18</b>	<b>Transfer Hours: 17</b>

Year	FIRST SEMESTER		SECOND SEMESTER	
	Rose State College Class	OU Equivalent	Rose State College Class	OU Equivalent
<b>SECOND</b>	MATH 2934 Calculus III	MATH 2934	MATH 2173 Differential Equations	Math Elective
	PHYS 2444 Physics II	PHYS 2524	ENGR 2313 Thermodynamics	ENGR 2461 & 3441
	PHYS 2411 Gen. Physics Lab II	--	ENGR 2303 Mat., Design & Man. Processes	ISE 2303
	ENGR 2103 Statics	ENSC 2113	ENGR 2133 Str. of Materials	CEES 2153
	ENGR 2013 Eng. Graphics & Design	ISE 2311	Liberal Arts	Soc. Science (Core III)
	CIT 1173 or C++ Language or	CS 1313 or		
	CIT 1613 Introduction to Java	CS 1323		
	<b>RSC Credit Hours: 18</b>	<b>Transfer Hours: 15</b>	<b>RSC Credit Hours: 15</b>	<b>Transfer Hours: 14</b>



Summer – OU Course: ISE 3293 Applied Engineering Statistics

Year	[b] FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
<b>JUNIOR</b>	ENGR 3511 Engineering Experience		1	ENGR 2002 Professional Development		2
	ISE 2823 Enterprise Engineering		3	ISE 4223 Fundamentals of Engineering Economy		3
	ISE 3304 Design & Manufacturing II		4	ISE 4563 Quality & Reliability Engineering		3
	ISE 4113 Spreadsheet Dec. Support Sys.		3	ISE 4633 Probabilistic Systems Models		3
	ISE 4553 Data-Driven Decision Making I		3	ISE 4804 Ergonomics and Systems Design		4
	ISE 4623 Deterministic Systems Models		3			
	<b>Credit Hours:</b>		<b>17</b>	<b>Credit Hours:</b>		<b>15</b>

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
<b>SENIOR</b>		[d] Approved Elective (Core IV)	3		[e] Approved Elective (Core IV)	3
	ENGR 2431	[c] Electrical Circuits	1		ISE Elective	3
	ISE 4333	Production Systems/Operations	3		ISE Technical Elective	3
	ISE 4383	Systems Evaluation	3	ISE 4393	Capstone Design Project	3
	ISE 4663	Systems Analysis Using Simulation	3			
	ISE 4853	Data-Driven Decision Making II	3			
	<b>Credit Hours:</b>		<b>16</b>	<b>Credit Hours:</b>		<b>12</b>

**Notes:**

[a] These course(s) are in addition to the requirements for the AS degree; however, they will count toward the BS degree at OU. These courses may be offered in Summer at OU.

[b] For the BS degree, student must meet all OU requirements.

[c] Equivalent courses exist at RSC that will count toward the BS degree at OU.

[d] A reverse transfer of this course will meet the AS degree requirements at RSC.

[e] Per OU requirements, at least one course used to satisfy the general education requirements must be at the upper division level and outside of the student's major.

ROSE STATE COLLEGE  
Engineering Associate in Science (AS) -- General Option

UNIVERSITY OF OKLAHOMA  
Bachelor of Science (BS) in Industrial Systems Engineering

# ROSE STATE COLLEGE

Year	FIRST SEMESTER		SECOND SEMESTER	
	Rose State College Class	OU Equivalent	Rose State College Class	OU Equivalent
FIRST	ENGL 1113 English Comp. I	ENGL 1113	ENGL 1213 English Comp. II	ENGL 1213
	CHEM 1135 Gen. Chemistry I	CHEM 1315	POIS 1113 Am. Fed. Government	PSC 1113
	HIST 1483 or US History to 1877 or HIST 1493 US History since 1877	HIST 1483 or 1493	MATH 2924 Calculus II	MATH 2924
	MATH 1914 Calculus I	MATH 1914	PHYS 2434 Physics I	PHYS 2514
			PHYS 2401 Gen. Physics Lab I Humanities	Humanities (Core IV)
	RSC Credit Hours: 15	Transfer Hours: 15	RSC Credit Hours: 18	Transfer Hours: 17

Year	FIRST SEMESTER		SECOND SEMESTER	
	Rose State College Class	OU Equivalent	Rose State College Class	OU Equivalent
SECOND	MATH 2934 Calculus III	MATH 2934	MATH 2173 Differential Equations	Math Elective
	PHYS 2444 Physics II	PHYS 2524	ENGR 2313 Thermodynamics	ENGR 2461 & 3441
	PHYS 2411 Gen. Physics Lab II	---	ENGR 2303 Mat., Design & Man. Processes	ISE 2303
	ENGR 2103 Statics	ENSC 2113	ENGR 2133 Str. of Materials	CEES 2153
	ENGR 2013 Eng. Graphics & Design	ISE 2311	Liberal Arts	Soc. Science (Core II)
	CIT 1173 or C++ Language or CIT 1613 Introduction to Java	CS 1313 or CS 1323		
	RSC Credit Hours: 18	Transfer Hours: 15	RSC Credit Hours: 15	Transfer Hours: 14



Summer -- OU Course: ISE 3293 Applied Engineering Statistics

Year	[b] FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
JUNIOR	ENGR 3511 Engineering Experience		1	ENGR 2002 Professional Development		2
	ISE 2823 Enterprise Engineering		3	ISE 4223 Fundamentals of Engineering Economy		3
	ISE 3304 Design & Manufacturing II		4	ISE 4563 Quality & Reliability Engineering		3
	ISE 4113 Spreadsheet Dec. Support Sys.		3	ISE 4633 Probabilistic Systems Models		3
	ISE 4553 Data-Driven Decision Making I		3	ISE 4804 Ergonomics and Systems Design		4
	ISE 4623 Deterministic Systems Models		3			
	Credit Hours:		17	Credit Hours:		15

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
SENIOR		(d) Approved Elective (Core IV)	3		(e) Approved Elective (Core IV)	3
	ENGR 2431	(c) Electrical Circuits	1		ISE Elective	3
	ISE 4333	Production Systems/Operations	3		ISE Technical Elective	3
	ISE 4383	Systems Evaluation	3	ISE 4393	Capstone Design Project	3
	ISE 4663	Systems Analysis Using Simulation	3			
	ISE 4853	Data-Driven Decision Making II	3			
	Credit Hours:		16	Credit Hours:		12

**Notes:**

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- [b] For the BS degree, student must meet all OU requirements.
- [c] Equivalent courses exist at RSC that will count toward the BS degree at OU.
- [d] A reverse transfer of this course will meet the AS degree requirements at RSC.
- [e] Per OU requirements, at least one course used to satisfy the general education requirements must be at the upper division level and outside of the student's major.

Before transferring to OU, have the RSC Registrar send an official transcript to the OU Admissions Office with any degrees earned noted on the transcript. If you have not completed the requirements for an Associate's degree, talk with your OU Academic Advisor about Reverse Transfer options to use OU coursework to complete your RSC Associate's degree.