

ROSE STATE COLLEGE  
Engineering Associate in Science (AS) – Aerospace/Mechanical Option

UNIVERSITY OF OKLAHOMA  
Bachelor of Science (BS) in Mechanical Engineering

**ROSE STATE COLLEGE**

Year	FIRST SEMESTER			SECOND SEMESTER							
<b>FIRST</b>	Rose State College Class		OU Equivalent	Rose State College Class		OU Equivalent					
	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 HIST 1493	US History to 1877 or 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)					
<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							
<b>SECOND</b>	Rose State College Class		OU Equivalent	Rose State College Class		OU Equivalent					
	MATH 2934	Calculus III	MATH 2934	MATH 2173	Differential Equations	MATH 3113					
	PHYS 2444	Physics II	PHYS 2524	ENGR 2113	Dynamics	AME 2533					
	PHYS 2411	Gen. Physics Lab II	--	ENGR 2303	Mat., Design & Man. Processes	AME 2303					
	ENGR 2103	Statics	ENSC 2113	ENGR 2313	Thermodynamics	AME 2213					
	[a] CIT 1173	C++ Language	AME 2402		Liberal Arts	Soc. Science (Core III)					
<b>RSC Credit Hours: 15</b>			<b>Transfer Hours: 13</b>			<b>RSC Credit Hours: 15</b>			<b>Transfer Hours: 15</b>		



Year	[b] FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
<b>JUNIOR</b>		[d] Humanities (Core IV)	3		Approved Technical Elective	3
	ENGR 2002	Professional Development	2	ENGR 2431	[c] Electrical Circuits	1
	ENGR 3511	Eng. Orient. for Transfer Students.	1	ENGR 2531	[c] Electrical Circuits II	1
	AME 3112	Solid Mechanics Lab	2	ENGR 3431	[c] Electromechanical Systems	1
	AME 3143	Solid Mechanics	3	AME 3103	Interactive Eng. Design Simulation	3
	AME 3153	Fluid Mechanics	3	AME 3122	Heat Transfer and Fluid Mechanics Lab	2
	AME 3723	Numerical Methods for Eng. Comp.	3	AME 3173	Heat Transfer	3
				AME 3353	Design of Mechanical Components	3
<b>Credit Hours:</b>			<b>17</b>	<b>Credit Hours:</b>		<b>17</b>

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
<b>SENIOR</b>		Approved Engineering Science Elect.	3		[e] Humanities (Core IV)	3
		Approved Experimental Elective	2		Approved Engineering Science Elective	3
	PHYS 3223	[c] Modern Physics for Engineers	3		Approved Technical Elective	3
	AME 3363	Design of Thermal-Fluid Systems	3	AME 4553	Design Practicum (Capstone)	3
	AME 4163	Principles of Engineering Design	3		General Education Elective	3
	<b>Credit Hours:</b>			<b>14</b>	<b>Credit Hours:</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 continuation into the BS-Mechanical Engineering degree at OU, students must successfully complete (grade C or better) MATH 1914; MATH 2924; PHYS 2514 and CHEM 1315 with 3.0 Combined Retention GPA, and possess a minimum 3.0 Combined Retention GPA in 24 or more credit hours.
  - [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.

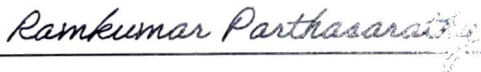
Transfer Agreement  
Between  
Rose State College  
And  
University of Oklahoma,  
Gallogly College of Engineering

Effective Academic Year: 2022-2023

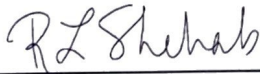
Engineering Associate in Science Degree, Mechanical/Aerospace Option

And

Bachelor of Science in Mechanical Engineering



Dr. Kumar Parthasarathy  
Interim Director - School of Aerospace and  
Mechanical Engineering  
Gallogly College of Engineering



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



Dr. John Klier  
Dean  
Gallogly College of Engineering



Steven Fowler  
Engineering Coordinator  
Engineering & Science  
Rose State College



Dr. Ryan Stoddard  
Dean  
Engineering and Science  
Rose State College



Isabelle Billen  
Vice President  
Academic Affairs  
Rose State College