

Name: _____

Advisor: _____

MECHATRONICS AND ROBOTICS

121 Semester Hours

2024-2025

Oklahoma State University
College of Engineering, Architecture & Technology

College/Departmental Requirements

- A grade of “C” or better is required in all analytical, science, engineering and engineering technology courses to graduate.
- NOTE: This flow chart is for planning purposes only. Students will be held responsible for degree requirements in effect at the time of matriculation (date at first enrollment) & any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation. (Academic Regulation 3.2)

	Year 1		Year 2		Year 3		Year 4	
	Freshman Fall 15	Freshman Spring 16	Sophomore Fall 14	Sophomore Spring 17	Junior Fall 15	Junior Spring 16	Senior Fall 13	Senior Spring 12
	UNIV 1111 First Year Seminar	EET 2303 Technical Prog	SPCH 2713 Intro Speech Com	“A or N” or “S” Elective ___ 3	ENGL 3323 Technical Writing	EET 3423 Applied Analysis <small>PreReq: MATH 2153</small>	EET 4314 Elements of Ctrl <small>PreReq: EET 3423</small>	Related Specialty Elective ___ 3
Diversity Tag	MATH 2144 Calculus I <small>PreReq: MATH 1813</small>	MATH 2153 Calculus II <small>PreReq: MATH 2144</small>	ENSC 2613 Intro Electr. Sci <small>PreReq: MATH 2153</small>	MET 3003 Dynamics <small>PreReq: ENSC 2113</small>	EET 2633 Analog Circ I <small>PreReq: MATH 2144, ENSC 2613, 2411</small>	MET 3803 Fund. Mechatronics <small>PreReq: ENSC 2613 or MERO3253</small>	IEM 3503/3513 Econ Decision Anl <small>PreReq: MATH 2144</small>	MERO 4833 Senior Design <small>PreReq: MET 4003, EET2633, 3803</small>
International Tag	HIST 1103 or 1483-93 American History	PHYS 2014 Physics I <small>PreReq: MATH 2144</small>	ENSC 2113 Statics <small>PreReq: MATH 2144, PHYS 2014</small>	ENSC 2143 Strength of Mtls <small>PreReq: ENSC 2113, MATH 2144</small>	EET 3253 Microprocessors I <small>PreReq: EET 2544,</small>	MET 4003 Machine Elements <small>PreReq: MATH 2144, ENSC 2143</small>	MERO 3373 PLC <small>PreReq: EET 2544</small>	Related Specialty Elective ___ 3
	ENGL 1113 Freshman Composition I	MET 1123 Tech. Dwg & CAD	“H” Elective Humanities ___ 3	ENSC 2141- Lab Strength of Mtls CoReq: ENSC 2143	MET 2313 Hyd. Fluid Power <small>PreReq: ENSC 2113</small>	MET 3343 Metallurgy & Polymers <small>PreReq: CHEM 1314</small>	MERO 4213 Industrial Robots <small>PreReq: MET3003, EET 3423</small>	“H” Elective Humanities ___ 3
	CHEM 1314 or 1414 General Chemistry	POLS 1113 American Government	ENSC 2411-Lab Electr. Science CoReq: ENSC 2613	A/N/S or Calc III Elective ___ 3	MET 4223 GD&T <small>PreReq: MET 1123</small>	Related Specialty Elective ___ 3	Cont. Elective Elective ___ 3	
			ENGR 2421 DAQ Lab	EET 2544 P&DT <small>PreReq: Concurrent w/ ENSC 2613 and 2411</small>		ENSC 3311-Lab Material Sci Lab CoReq: MET3343		

1. Students with less than a “B” in ENGL 1113 or 1313 must take ENGL 1213 or 1413 and may not substitute ENGL 3323 for 1213. (Academic Regulation 3.5)

2. At least 6 hours designated (H). Of these, 1 hr. must meet the International Dimension “I” and 1 hr. must meet the Diversity requirement “D”.

3. Select one course from CHEM 1215, 1314, 1414.

4. ALEKS Exams for Mathematics Classes: Students are required to take an online examination using a system named ALEKS. The following website describes the exam, how to login and other details. Please read all of the website page before going to the link to the exam. Refer to the OSU Math Department website: <http://placement.okstate.edu/math>

5. A grade of ‘C’ or better is required in all courses with an analytical or natural science designation or engineering or engineering technology prefix.