

Name: _____

Advisor: _____

MECHATRONICS AND ROBOTICS**121 Semester Hours****2025-2026****Oklahoma State University**
College of Engineering, Architecture & Technology

• **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 15	Sophomore Spring 14	Junior Fall 15	Junior Spring 15	Senior Fall 16	Senior Spring 15
UNIV 1111 First Year Seminar	Gen Ed Course ² 3-hours (DH)	PHYS 2114 Univ. Physics II PreReq: PHYS 2014	MERO Specialty EET2303/ENGR1412	ENGL 3323 Technical Writing	MET 3003 Dynamics (or ENSC 2123) PreReq: ENSC 2113	EET 4314 Elements of Ctrl PreReq: EET 3423, EET3113	MERO Related Spec. MERO 4843 Sen. Des. II PreReq: MERO7833
MATH 2144 ³ Calculus I PreReq: MATH 1813	MATH 2153 Calculus II PreReq: MATH 2144	MATH 2163 Calculus III Prereq: MATH 2153	MATH 2233 Diff. Equations PreReq: MATH 2153	EET 2633 Solid State D&C PreReq: MATH 2144, ENSC 2613, 2411	MET 3803 Fund. Mechatronics PreReq: ENSC2613	MATH 3583 Intro Math Modeling PreReq: MATH 2233, 3013	MERO 3373 PLC PreReq: EET 2544
HIST 1103, 1483 or 1493 American History	PHYS 2014 Univ. Physics I PreReq: MATH 2144	ENSC 2613 Intro Electr. Sci PreReq: MATH 2153	ENSC 2143 Strength of Mtls PreReq: ENSC 2113	EET 3303 Python Prog PreReq: MATH2144, EET2303/ ENGR1412	MATH 3013 Linear Algebra PreReq: MATH 2153	MERO 4833 Senior Design I PreReq: MET 4003, EET 2633, 3803	IEM 3503/3513 Econ Decision Anl PreReq: MATH 2153/2144
ENGL 1113 ¹ Freshman Composition I	MET 1123 Tech. Dwg & CAD	ENSC 2411 Electr. Science Lab CoReq: ENSC 2613	ENSC 2141- Lab Strength of Mtls CoReq: ENSC 2143	MET 2313 Hyd. Fluid Power PreReq: ENSC 2113	Gen Ed Course ² 3-hours (S)	MERO 4213 Industrial Robots PreReq: MET 3003, EET 3423	Gen Ed Course ² 3-hours (H)
CHEM 1314 or 1414 Chemistry	POLS 1113 American Government	ENSC 2113 Statics PreReq: MATH 2144, PHYS 2014	EET 2544 P&DT PreReq: Concurrent w/ ENSC 2613 and 2411	MERO Specialty EET 3113	Cont. Elective ⁶ 3-hours	MET 4223 GD&T PreReq: MET 1123	Gen Ed Course ² 3-hours (G)
		ENGR 2421 DAQ Lab					

MERO Related Specialty
12 Hours:

EET Related Specialty:
EET 3123, EET 3423,
EET 4803, EET 3253,
EET 3003, ECEN 3513,
3613, 3723, 4503, EET
4314, EET 4654, EET
4903.

MET Related Specialty:
MET 3343, MET 3353,
MET 3413, MET 3423,
MET 3433, MET 3453,
MET 3543, MET 3573,
MET 4003, MET 4023,
MET 4033, MET 4050,
MET 4113, MET 4173,
MET 4203, MET 4303,
MET 4313, MET 4713,
MET 4723, MET 4733.

Other Related Specialty:
IEM 3513, IEM 3013,
ENSC 2213, ENSC 3233,
ENSC 3313, MATH 3613,
MATH 4263, MATH
4343, MATH 4513,
MATH 4553, STAT 4033.

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), 3 hours designated (G), 3 hours designated (S), and one course designated (D).

3. 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. Refer to the OSU Math Department website: <http://placement.okstate.edu/math>.

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

5. A grade of 'C' or better is required for courses with the prefix EET/MET/MERO, and any course in physics and mathematics that is required in subsequent courses.

6. Controlled Elective requirement can be met with one of the following prefixes: ACCT, ASTR, BIOL, CHEM, CS, ENGR, EET, EEE, FIN, GEOL, LSB, MGMT, MKTG, MATH, PHYS, or STAT.

Revised 8/22/2025