MECHANICAL ENGINEERING TECHNOLOGY

MECHANICAL ENGINEERING TECHNOLOGY 121 Semester Hours 2023-2024

0	klahoma	State	University
College of Engineering,	Architect	ture &	Technology

Name: _____

Year 2 Year 1 **Preparatory Courses** Sophomore Freshman Freshman Spring Spring Fall CHEM 1314-1414 **ENGL 1113** SPCH 2713 **MET 3343** General Chemistry Fresh Composition I Into Speech Com Metallurgy & Polymers ENSC 2613 Intro Electr. Science PHYS 2114 MATH 1813 **MATH 2153 MATH 2144** Physics II Pre-Calculus Calculus 1 Calculus II Grade Sem ENSC 2411-Lab (1 crd) Electr. Science Lab ENSC 2113 Statics PHYS 2014 HIST 1103/1483-93 ENSC 2143 Physics I American History Strength of Materials MET 4223 GD&T ENSC 2141-(L) - 1 crd EET1003/ENGR1412 **MET 1123** Strength of Materials Tech. Dwg & Bas, CAD Computer Program CONT ELECTIVE "A or N" or "S" Elective _ _ _ 2 Elective 3 POLS 1113 **ENGR 1111** Intro to Engineering American Government ENGR 2421 'A or N" or "H" or DAQ Lab "S" Elective 1

College/Departmental Requirements Mechanical Engineering Technology.

- A minimum average GPA of 2.00 is required in all courses with an engineering or engineering technology prefix.
- 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)

- 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, natural science, engineering, or engineering technology prefix in order to advance to a course for which these courses are prerequisites.

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Other Requirements Name: _____ Mechanical Engineering Technology Advisor: _____ Year 3 Year 4 •A minimum of 40 hours must be upper division Junior Junior Senior **PREREQUISITES** Fall Spring Fall Spring •Communications 6hrs: ENGL 3323, SPCH 2713 or 3703 or 3723. •MET Related Specialty 9 hrs.: MET 3353 FS/L, MET 3413 or 3423 F/C, MET 3453 MET 3433/ENSC 2213 CONT ELECTIVE MET 3 MATH 2144, PHYS 2014 MET 3573 F/L, MET 4023 SuS/Y, Heat Transfer Thermodynamics Elective _ _ _ 3 Related Specialty MET 4033 F/Y, MET 4113 SuF/A, MET 4173 F/V, MET 4203 SuS/V, MET 4303 S/L, MET 4313 S/C, MET 4713 F/C, MET 4723 S/C, ENSC3431-Lab (1 crd) MATH 2144. MET 4733 F/Y MET 3113 "H" Elective CONT ELECTIVE ENSC 2143, ENGR 2421 HT/Thermodyn. lab Basic Instrumentation Humanities 3 Upper Division _ _ _ 3 •Legend: Fall = F, Spring = S, Summer = Su: Alexander = A. Chang = C, Yang = Y, Lewis = L, Vora = V, Oliveira = O. MET 3543 IEM 3503/3513 MET 3 Common Upper Division Controlled Manufacturing Process omic Decision Analysis Related Specialty Electives 6hrs (at least 3hrs Upp. Div): MET 1123/ENGR 1332, PHYS 2014 MGMT 3013, MGMT 3313, LSB 3213, MKTG 3213, ENGR, ENGR TECH, **MATH 2144** MATH, CHEM, PHYSICS, STATISTICS, or (See Above) for additional MET MET 3 "H" Elective **ENSC 2113** Related Specialty. MET 3003/ENSC 2123 MET 2313 Related Specialty Humanities 3 Dynamics Hydraulic Fluid Power •For further information, contact the MET Program Coordinator, Faculty or Director of Engineering Technology. ENGL 3323 MET 3313 Technical Writing MET 4103/4133 MET 4123/4143 •A flexible study plan is designed to Applied Fluid Mechanics Senior Design 1 Senior Design II meet each student's individual goals. MATH 2144, PHYS 2014, ENSC 2113 MET 4003 Machine Elements ENSC3231-Lab (1 crd) ENSC3311-Lab (1 crd) Fluid/Hydraulics lab Material Science lab MATH 2144, ENSC 2143 **MET 4223**