MECHANICAL ENGINEERING CURRICULUM (Option B: last Name begins with L-Z)

Semester 1 Semester 2 Semester 3 Semester 4 Semester 5 Semester 6 Semester 7 Semester 8 17 credits 17 credits 17 credits 16 credits 17 credits 15.5 credits 15 credits 16.5 credits CMPSC 200 or 201 3 cr. **CHEM 110** 3 cr. Science elective 3 cr. ME 300 3 cr. ME 320 3 cr. ME 370 3 cr. GTE 3 cr. ME 450 3 cr. CHEM 112. BIOL 141 or MATLAB or C++ ENGR Thermodymanics Fluid Flow Vibration of Mech Sys GTE Tech Selection Modeling Dynamic Systm Chem Principles P: EMCH 212, CMPSC 200/201, PHYS 214 **and** CHEM 111 : MATH 140 P: CHEM 110 P: EMCH 212, MATH 251 P/C: Varify by selection P:ME 370 K 7 P: Varify by selection P/C: MATH 141 P/C: MATH 141 MATH 220. MATH 251 ME 300. MATH 231 P/C: ME 348 MATH 140# MATH 141# MATH 251# MATH 231# 2 cr. 4 cr. 4 cr. 4 cr. ME 340 3 cr. ME 330 3 cr. ME 454 3 cr. ME 410 3 cr. Calc 1 Calc 2 Diff Equations Calc of Several Variables ME Desian Methodolav Mechtatronics Heat Transfer Computational Tools P: MATH 140 P: MATH 141 P: MATH 141 P: EDSGN 100 P: EMCH 212 & 213, P: ME 348 i P: ME 320, MATH 220 P/C: ME 320, ME 360 MATH 251, PHYS 212 CMPSC 200/201 PHYS 211 MATH 220# 2 cr. EDSGN 100 4 cr. PHYS 212 4 cr. ME 360 3 cr. ME 348 ME 440W ETE 3 cr Mechanics Elect & Magnetism Matricies Mechanical Design Circuit Analysis... Design Capstone ENGR Tech Selection Intro to Engr Design P/C: MATH 140 P: PHYS 211, MATH 140 : MATH 140 P: EMCH 213 P: MATH 251, PHYS 212 P: ME 340 P/C: Varify by selection 圙 뗴 P/C: MATH 141 P/C: CMPSC 200/201 P/C: IE 312, ENGL 202C ENGL 15 ECON 102 or 104 3 cr. EMCH 211# EMCH 213# 3 cr. AHS gen ed ^ IE 312 METE 3 cr. 3 cr. 3 cr. 3 cr. ETE 3 cr. 3 cr. Micro or Macro economics Statics Strength of materials ENGR Tech Selection ME Tech Selection Rhetoric and Compsition Product Design.. : MATH 140 : EMCH 211 P: EMCH 213 P/C: Varify by selection (GS - Single domain) P/C: Varify by selection P/C: MATSE 259 EMCH 212# 3 cr. CAS 100 MATSE 259 3 cr. AHS gen ed ^ 3 cr. Engr FYS 1 cr. AHS gen ed ^ 3 cr. 3 cr. ENGL 202C 3 cr. ME 435 3 cr. Effective Speech Dynamics Technical Writing Prop&Proc ENGR Materials ME Systems Lab P: EMCH 211, MATH 141 P: ENGL 15 P: EMCH 213 P: ME 348, ME 330 I P/C: ME 320, ME 370 AHS gen ed^ AHS gen ed ^ 3 cr. MF 490 GHW MF 390 3 cr. 0.5 cr. 0.5 cr. 1 5 cr Acad & Career Development Professional Development P: ME 390 GHW 1.5 cr.

ME Course Sequencing

C = concurrent

P = prerequsite



Completion of EMCH and MATH courses before the 5th semetser is important for future course sequencing

EMCH 210 or EMCH 210H is not a direct substitute for EMCH 211 & 213 requirements and should not be taken for ME_BS

**OS Cultures & IL Cultures and Integrative studies requirements are satisfied in conjunction with gen ed courses

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Courses applied toward major GPA calculation