

OSU - College of Engineering, Architecture & Technology

Mechanical Engineering, 2020-2021

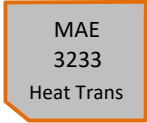
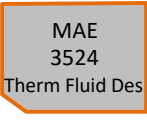




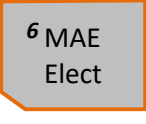

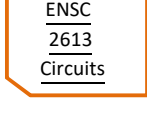



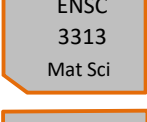
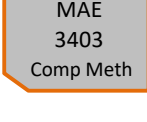
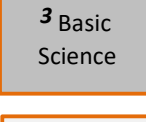
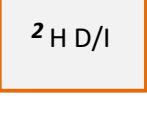
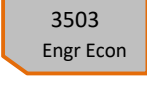
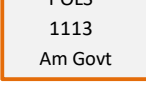
Semester 1, 17 credit hours	Semester 2, 16 credit hours	Semester 3, 16 credit hours	Semester 4, 14 credit hours
<p>ENGR 1111 Intro to Engr</p>	<p>ENGR 1412 VBA Prgm</p> <p>MAE 3403</p>	<p>MATH 2144 PHYS 1114 or 2014</p> <p>ENSC 2113 Statics</p> <p>ENSC 2123 ENSC 2143 MAE 3333 MAE 3153</p>	<p>ENSC 2113</p> <p>ENSC 2123 Dynamics</p> <p>MAE 3153</p>
<p>MATH 1513</p> <p>CHEM 1414 For Engr</p> <p>ENSC 2213 ENSC 3313</p>	<p>HIST 1103 Am History</p>	<p>CHEM1314, 1414 or 1515 MATH 2144 PHYS 2014</p> <p>ENSC 2213 Thermo</p> <p>MAE 3153</p>	<p>ENSC 2113</p> <p>ENSC 2143 Strengths</p> <p>MAE 3153</p>
<p>ENGR 1332 CAD/SolidWorks</p>	<p>MATH 2144</p> <p>PHYS 2014 Physics 1</p> <p>ENSC 2113 ENSC 2213 PHYS 2114</p>	<p>PHYS 2014</p> <p>PHYS 2114 Physics 2</p> <p>ENSC 2613 MAE 3013</p>	<p>Co/Pre ENSC2143</p> <p>ENSC 2141 Strengths Lab</p>
<p>MATH 1813 or ALEKS</p> <p>MATH 2144 Calc 1</p> <p>PHYS 2014 MATH 2153 ENSC 2213</p>	<p>MATH 2144</p> <p>MATH 2153 Calc 2</p> <p>MATH 2163 MATH 2233 ENSC 2613 MAE 3333 IEM 3503</p>	<p>MATH2153</p> <p>MATH 2163 Calc 3</p>	<p>ENSC 2113 MATH 2153 ENGR2421</p> <p>MAE 3333 Fluids</p> <p>MAE 3233 MAE 3153</p>
<p>¹ENGL 1113 Comp 1</p> <p>ENGL 1213</p>	<p>ENGL 1113</p> <p>¹ENGL 1213 Comp 2</p>	<p>MATH2153</p> <p>MATH 2233 Diff Eq</p> <p>MAE 3293 MAE 3253 MAE 3013</p>	<p>Co/Pre MAE3333</p> <p>ENSC 3231 Fluids Lab</p>
<p>²S D/I</p>	<p>ENGR 2421 Meas & Inst Lab</p> <p>MAE 3333</p>	<p>ENSC2113 ENSC2213 ENSC2143 ENSC2123</p> <p>MAE 3153 Intro ME Design</p> <p>MAE 3324 MAE 3724 MAE 3524</p>	

Summary of Graduation and School Requirements: Grades of "C" or better in all prerequisite courses, their prerequisites, and courses that directly support ABET student outcomes. (footnote 1 on Degree Requirements Sheet 2020-2021/Underlined on Flowchart). Grades of "C" or higher in all Upper Division Major Requirements courses. (footnote 2 on Degree Requirements Sheet 2020-2021/Shaded on Flowchart). A minimum Technical GPA of 2.00, Technical GPA is calculated from all courses in the curriculum with a prefix belonging to the degree program, or substitutions for these courses.

1. If a 'B' or better is earned in ENGL 1113 or 1313, ENGL 3323 may be substituted for ENGL 1213 or 1413 (per Academic Regulation 3.5).
2. Min 6 hrs (H) and 3 hrs (S). Of these hours, 1 course must meet the International Dimension (I) and 1 course must meet the Diversity (D) req't.

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Mechanical Engineering, 2020-2021

Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 16 credit hours	Semester 8, 13 credit hours
MAE 3333  MAE3524	MAE 3233  CAT II MAE 3153	Prereqs Vary by Course 	MAE 3524  MAE 3324 MAE 3724 ENGR2421 ENSC2141 ENSC3231
MATH 2233  MAE 3403 PHYS 2114 MAE 3724	MAE 3013  CAT II ENSC 2613 MAE 3153	Prereqs Vary by Course 	Prereqs Vary by Course 
MATH 2153  MAE 3724 PHYS 2114	MAE 3153  CAT II ENSC 3313	Prereqs Vary by Course 	
CHEM 1314,  MAE 3324 1414 or 1515	MAE 3013  ENGR 1412		
MATH 2153 			

3. Basic Science Elective: select from ASTR 1013, 1023, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713 (see Catalog for Prerequisites).
4. Category I - MAE 4243, 4263, 4703, 4713, 4353, 4363, 4513, or 4623 (See Catalog for Prerequisites).
5. Category II - MAE 4344 or MAE 4354 (See Catalog for Prerequisites).
6. MAE Elective (6 hours) - MAE 4003, 4243, 4263, 4703, 4713, 4723, 4353, 4363, 4513, 4623, 3033, 3123, 3253, 3293, 4053, 4063, 4313, 4273, 4333, 4583, 4733
7. Technical Elective - 3000 or above in BAE/CHE/CIVE/ECEN/IEM/PETE/BIOL/BIOC/CHEM/CS/LSB/GEOL/PHYS, BCOM 3233, MATH 3303, MGMT 3133, PHIL 3803, PHIL 3833. 4000 or above in MATH/MET/STAT, MGMT 4073, MGMT4533, ECON 4113

