

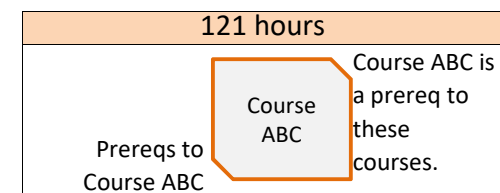
OSU - College of Engineering, Architecture & Technology

Mechanical Engineering, 2021-2022

Semester 1, 17 credit hours	Semester 2, 16 credit hours	Semester 3, 16 credit hours	Semester 4, 14 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>ENGR 1111</u> Intro to Engr </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>ENGR 1412</u> Intro Eng Computer Prgrm </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> MATH 2144 and PHYS 2114 or PHYS 2014 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2113</u> </div> ENSC 2123 ENSC 2143 MAE 3333 MAE 3153 </div>
MATH 1513 ALEKS >=56	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> HIST 1103 Am History </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> CHEM 1314, 1414, 1515 and MATH 2144 and PHYS 2014 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2113</u> </div> ENSC 2113 </div>
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>CHEM 1414</u> Chem for ENGR </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> MATH 2144 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2213</u> </div> MAE 3153 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2143</u> </div> ENSC 2113 </div>
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>ENGR 1332</u> CAD/SolidWorks </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>PHYS 2014</u> Physics 1 </div> ENSC 2113 ENSC 2213 PHYS 2114 MAE 3013 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> PHYS 2014 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2141</u> </div> ENSC 2143^{cc} </div>
MATH 1813 ALEKS >=75	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>MATH 2144</u> CALC 1 </div> MATH 2153 PHYS 2014 ENSC 2113 ENSC 2213 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>PHYS 2114</u> Physics 2 </div> ENSC 2613 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>MAE 3333</u> </div> ENSC 2113 MATH 2153 ENGR2421 </div>
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>1ENGL 1113</u> COMP 1 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>MATH 2153</u> Calc 2 </div> MATH 2163 MATH 2233 ENSC 2613 MAE 3333 IEM 3503 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> MATH2153 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 3231</u> </div> MAE3333^{cc} </div>
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <u>2Social & Behavioral Studies (S) D or I</u> </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>1ENGL 1213</u> Comp 2 </div> ENGL 1113 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>MATH 2233</u> Diff Eq </div> MATH2153 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2613</u> </div> ENSC 2113 MATH 2153 ENGR2421 </div>
	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENGR 2421</u> Data Acq Ctrl Lab </div> MAE 3333 MAE 3724 MAE CAT II </div>	MAE 3013	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 3231</u> </div> MAE3333^{cc} </div>
			<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2613</u> </div> MATH 2153 PHYS 2114 </div>
			<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> <u>ENSC 2613</u> </div> MAE 3724 </div>

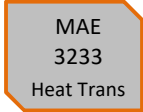


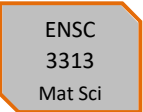
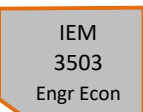

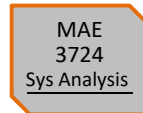





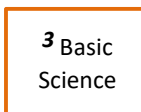
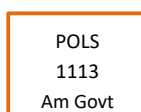


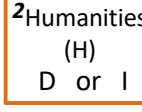
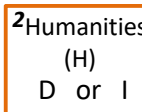
Summary of Graduation and School Requirements: Grades of "C" or better in all prerequisite courses, their prerequisites, and courses that directly support ABET student outcomes. (footnote 1 on Degree Requirements Sheet 2021-2022/Underlined on Flowchart). Grades of "C" or higher in all Upper Division Major Requirements courses. (footnote 2 on Degree Requirements Sheet 2021-2022/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 should meet the International Dimension (I) and 1 course should meet the Diversity (D) to efficiently meet university general education requirements.



OSU - College of Engineering, Architecture & Technology

Mechanical Engineering, 2021-2022

Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 16 credit hours	Semester 8, 13 credit hours
MAE 3333  MAE3524 MATH 2233  MAE 3403 PHYS 2014 MAE 3724 ENSC2113 ^{CC}  MAE 3324 ENSC2123 ^{CC} MAE 3524 ENSC2143 ^{CC} ENSC2213 ^{CC} MAE3333 ^{CC} CHEM, 1314, 1414 or 1515  MAE 3324 MATH 2153 	MAE 3153  MAE CAT II MAE 3233 ENGR 2421  MAE CAT II ENSC 2613 MAE 3013 MAE 3153  MAE CAT II ENSC 3313 MAE 3013  ENGR 1412	Prereqs Vary by Course  Prereqs Vary by Course  Prereqs Vary by Course   	MAE 3524  MAE 3324 MAE 3724 ENGR2421 ENSC2141 ENSC3231 Prereqs Vary by Course   

- Basic Science Elective: select from ASTR 1013, 1023, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713 (see Catalog for Prerequisites).
- Category I - MAE 4243, 4263, 4353, 4363, 4513, 4623, 4703, 4713, or 4723 (See Catalog for Prerequisites). For AERS dual degree CAT I is equal to MAE 4243 or 4513.
- Category II - MAE 4344 or MAE 4354 (See Catalog for Prerequisites). AERS dual degree CAT II is MAE4274.
- MAE Elective (6 hours) - MAE 3033, 3123, 3223, 3253, 3293, 4053, 4063, 4273, 4313, 4333, 4583, 4733 or courses in the Category I listed above, but not used to satisfy the category requirement.
- 3 hours of technical elective to be selected from the following list (or from courses in the Category I listed above, but not used to satisfy the category requirement):
 Specific Courses: BCOM 3223, MATH 3303, MGMT 3113, PHIL 3803, PHIL 3833 or 3000 Level or above from subject options BAE, BIOL, CHE, CHEM, CIVE, CS, ECEN, IEM, GOEL, LSB, MAE, PETE, or PHYS.
 Specific Courses: ECON 4113, MGMT 4073, MGMT 4533 or 4000 level from subject options MATH, MET, or STAT.

