

OSU - College of Engineering, Architecture & Technology

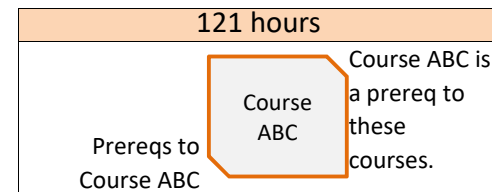
Aerospace Engineering, 2021-2022

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 #E67E22; padding: 5px; margin-bottom: 10px; text-align: center;"> ENGR 1111 <u>Intro to Engr</u> </div> <div style="display: flex; justify-content: space-between;"> MATH 1513 ALEKS >=56 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> CHEM 1414 <u>Chem for ENGR</u> </div> ENSC 2213 ENSC 3313 </div> <div style="border: 1px solid #E67E22; padding: 5px; margin-bottom: 10px; text-align: center;"> ENGR 1332 <u>CAD/SolidWorks</u> </div> <div style="display: flex; justify-content: space-between;"> MATH 1813 ALEKS >=75 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MATH 2144 <u>CALC 1</u> </div> MATH 2153 PHYS 2014 ENSC 2113 ENSC 2213 </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> 1ENGL 1113 <u>COMP 1</u> </div> ENGL 1213 </div> <div style="border: 1px solid #E67E22; padding: 5px; margin-bottom: 10px; text-align: center;"> 2Social & Behavioral Studies (S) D or I </div>	<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENGR 1412 <u>Intro Eng Computer Prgrm</u> </div> MAE 3403 </div> <div style="border: 1px solid #E67E22; padding: 5px; margin-bottom: 10px; text-align: center;"> HIST 1103 <u>Am History</u> </div> <div style="display: flex; justify-content: space-between;"> MATH 2144 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> PHYS 2014 <u>Physics 1</u> </div> ENSC 2113 ENSC 2213 PHYS 2114 MAE 3013 </div> <div style="display: flex; justify-content: space-between;"> MATH 2144 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MATH 2153 <u>Calc 2</u> </div> MATH 2163 MATH 2233 ENSC 2613 MAE 3333 IEM 3503 </div> <div style="display: flex; justify-content: space-between;"> ENGL 1113 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> 1ENGL 1213 <u>Comp 2</u> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENGR 2421 <u>Data Acq Ctrl Lab</u> </div> MAE 3333 MAE 3724 </div>	<div style="display: flex; justify-content: space-between;"> MATH 2144 and PHYS 2114 or PHYS 2014 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 2113 <u>Statics</u> </div> ENSC 2123 ENSC 2143 MAE 3333 MAE 3153 </div> <div style="display: flex; justify-content: space-between;"> CHEM 1314, 1414, 1515 MATH 2144 PHYS 2014 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 2213 <u>Thermo</u> </div> MAE 3153 </div> <div style="display: flex; justify-content: space-between;"> PHYS 2014 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> PHYS 2114 <u>Physics 2</u> </div> ENSC 2613 </div> <div style="display: flex; justify-content: space-between;"> MATH2153 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MATH 2163 <u>Calc 3</u> </div> </div> <div style="display: flex; justify-content: space-between;"> MATH2153 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MATH 2233 <u>Diff Eq</u> </div> MAE 3013 MAE 3293 MAE 3253 </div>	<div style="display: flex; justify-content: space-between;"> ENSC 2113 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 2123 <u>Dynamics</u> </div> MAE 3153^{cc} </div> <div style="display: flex; justify-content: space-between;"> ENSC 2113 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 2143 <u>Strengths</u> </div> MAE 3153^{cc} </div> <div style="display: flex; justify-content: space-between;"> ENSC 2143^{cc} <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 2141 <u>Strengths Lab</u> </div> MAE 4223 </div> <div style="display: flex; justify-content: space-between;"> ENSC 2113 MATH 2153 ENGR2421 <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MAE 3333 <u>Fluids</u> </div> MAE 3153^{cc} MAE 3233 </div> <div style="display: flex; justify-content: space-between;"> MAE3333^{cc} <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> ENSC 3231 <u>Fluids Lab</u> </div> MAE 4223 </div> <div style="display: flex; justify-content: space-between;"> ENSC2113^{cc} ENSC2123^{cc} ENSC2143^{cc} ENSC2213^{cc} MAE3333^{cc} <div style="border: 1px solid #E67E22; padding: 5px; text-align: center;"> MAE 3153 <u>Intro ME Design</u> </div> MAE 3293 MAE 3324 MAE 4243 MAE 3524 </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.

For Reference Only



OSU - College of Engineering, Architecture & Technology

Aerospace Engineering, 2021-2022

Semester 5, 15 credit hours	Semester 6, 17 credit hours	Semester 7, 15 credit hours	Semester 8, 13 credit hours
MAE 3333 ⁴ TECH Elect Or MAE 3233 for ⁵ Double Degree MAE3524	POLS 1113 Am Govt	MAE 3324 MAE 3403 MAE 4513 Aero Structures MAE 4374	MAE 4243 MAE 4283 MAE 4513 MAE 4374 Sys Analysis
MATH 2233 PHYS 2014 MAE 3013 Engr Analysis MAE 3403 MAE 3724	ENGR 2421 ENSC 2613 MAE 3013 MAE 3724 Sys Analysis MAE 4283	MAE 3153 MAE 3293 MAE 4243 Prop & Power MAE 4374	MAE 4253 MAE 4283 ENGR 2421 ENSC 2141 ENSC 3231 MAE 4223 Sys Analysis
MATH 2233 MAE 3153 MAE 3293 Fund of Aero MAE 3253 MAE 4243	MAE 3153 ENSC 3313 MAE 3324 Mech Des 1 MAE 4513	MAE 3253 MAE 3724 MAE 4283 Stab & Ctrl MAE 4374 MAE 4223	²Humanities (H) D or I
CHEM, 1314, 1414 or 1515 ENSC 3313 Mat Sci MAE 3324	MATH 2233 MAE 3293 MAE 3253 App Aero MAE 4283 MAE 4223	³ Basic Science	²Humanities (H) D or I
MATH 2153 PHYS 2114 ENSC 2613 Circuits MAE 3724	ENGR 1412 MAE 3013 MAE 3403 Comp Meth MAE 4513	MATH 2153 IEM 3503 Engr Econ	MAE 3233 MAE 3153 For ⁵Double Degree MAE3524

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. 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.
5. For students pursuing the double Aerospace and Mechanical Engineering degrees, MAE3233 is used as TECH Elective, and MAE3524 is taken as an additional course. "C" or better is required in both courses to meet requirements for Mechanical Engineering Degree Requirements 2021-2022

