

# OSU - College of Engineering, Architecture & Technology

REFER TO THE CATALOG TO  
CONFIRM PREREQUISITE COURSES

## Aerospace Engineering, 2025-2026

Semester 1, 17 credit hours	Semester 2, 16 credit hours	Semester 3, 16 credit hours	Semester 4, 14 credit hours
<div>UNIV 1111 First Yr Seminar</div> <div>MATH 1513 ALEKS &gt;=56</div> <div>CHEM 1414 Chem for Engineers</div> <div>ENSC 2213 ENSC 3313</div> <div>ENGR 1332 CAD/SolidWorks For MAE</div> <div>MATH 1813 ALEKS &gt;=75</div> <div>MATH 2144 Calc 1</div> <div>MATH 2153 PHYS 2014 ENSC 2113 ENSC 2213</div> <div><sup>1</sup>ENGL 1113 Comp 1</div> <div>ENGL 1213</div> <div>POLS 1113 Am Govt</div>	<div>ENGR 1412 Intro Eng Computer Prgm</div> <div>MAE 3403</div> <div>HIST 1103 or 1483 or 1493 Am History</div> <div>MATH 2144</div> <div>PHYS 2014 Physics 1</div> <div>ENSC 2113 ENSC 2213 PHYS 2114 MAE 3013</div> <div>MATH 2144</div> <div>MATH 2153 Calc 2</div> <div>MATH 2163 MATH 2233 ENSC 2613 MAE 3333 IEM 3503</div> <div>ENGL 1113</div> <div><sup>1</sup>ENGL 1213 Comp 2</div> <div><sup>2</sup>ENGR 2421 Data Acq Ctrl Lab</div> <div>MAE 3333<sub>cc</sub> MAE 3724 MAE 4223 MAE 4374</div>	<div>MATH 2144 PHYS 2014 PHYS 1114</div> <div>ENSC 2113 Statics</div> <div>ENSC 2123 ENSC 2143 MAE 3333 MAE 3153<sub>cc</sub></div> <div>CHEM 1314, 1414, or 1515 MATH 2144 PHYS 2014</div> <div>ENSC 2213 Thermo</div> <div>MAE 3153<sub>cc</sub></div> <div>PHYS 2014</div> <div>PHYS 2114 Physics 2</div> <div>MATH 2153</div> <div>MATH 2163 Calc 3</div> <div>MATH 2153</div> <div>MATH 2233 Diff Eq</div> <div>MAE 3013 MAE 3293 MAE 3253</div>	<div>ENSC 2113</div> <div>ENSC 2123 Dynamics</div> <div>MAE 3403 MAE 3724</div> <div>ENSC 2113</div> <div>ENSC 2143 Strengths</div> <div>MAE 3324</div> <div>ENSC 2113 MATH 2153 ENGR 2421<sub>cc</sub></div> <div>MAE 3333 Fluids</div> <div>MAE 3293 MAE 3233<sub>cc</sub></div> <div>ENSC 2113<sub>cc</sub> ENSC 2213<sub>cc</sub></div> <div>MAE 3153 Intro ME Design</div> <div>MAE 3324 MAE 4243 MAE 3524</div> <div>See note 2</div> <div>Engineering Science Laboratory</div> <div>MAE 4374</div> <div>See note 2</div> <div>Engineering Science Laboratory</div> <div>MAE 4374</div>

**Summary of Graduation and School Requirements:** Please consult Degree Requirements published in official University Catalog for specific course letter grade requirements Graduation Requirements.

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. In order to fulfill the ENSC Lab requirement you must complete ENGR 2421 and select two labs from list found on published Degree Requirements in University Catalog.

123 hours		
Required for Course ABC	Course ABC	Course ABC is required for the following courses

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## Aerospace Engineering, 2025-2026

Semester 5, 15 credit hours	Semester 6, 17 credit hours	Semester 7, 15 credit hours	Semester 8, 13 credit hours*
MATH 2233 MAE 3333 <div>MAE 3293 Fund of Aero*</div> MAE 4243  #=- U '1314, 1414, or 1515 <div>ENSC 3313 Materials Science</div> MAE 3324  MATH 2233 PHYS 2014 <div>MAE 3013 Engr Analysis</div> MAE 3724 MAE 3403  MATH 2153 <div>ENSC 2613 Circuits</div> MAE 3724  MAE 3333 <sub>cc</sub> <div><sup>4</sup>TECH Elect Or <sup>5</sup>MAE 3233 for Dual Degree</div> MAE 3524	MATH 2233 <div>MAE 3253 Applied Aero*</div> MAE 4283 MAE 4223 MAE 4513  MAE 3153 ENSC 3313 ENSC 2143 <div>MAE 3324 Mech Des 1</div> MAE 4513  ENGR 2421 ENSC 2123 ENSC 2613 MAE 3013 <div>MAE 3724 Systems Analysis</div> MAE 3403 <sub>cc</sub> MAE 4283  ENGR 1412 ENSC 2123 MAE 3013 MAE 3724 <sub>cc</sub> <div>MAE 3403 Computer Methods</div> MAE 4513  <div><sup>6</sup>Society &amp; Human Behavior (S)</div>	MAE 3324 MAE 3403 MAE 3253 <div>MAE 4513 Aero Structures*</div> MAE 4374  MAE 3153 MAE 3293 <div>MAE 4243 Prop &amp; Power*</div> MAE 4374  MAE 3253 MAE 3724 <div>MAE 4283 Stab &amp; Ctrl*</div> MAE 4374 MAE 4223  MATH 2153 <div>IEM 3503 Engr Econ</div> <div><sup>3</sup>Basic Science</div>	MAE 4243 MAE 4283 MAE 4513 ENGR 2421 See note 2 <div><sup>5</sup>MAE 4374 Aerospace Sys Design*</div> MAE 3253 MAE 4283 ENGR 2421 <div>MAE 4223 Aero Engr Lab*</div> <div><sup>6</sup>Human Heritages &amp; Cultures (H)</div> <div><sup>6</sup>Human Heritages &amp; Cultures (H)</div> ENSC 2213 MAE 3153 MAE 3233 MAE 3333 <div><sup>5</sup>For Dual Degree MAE3524</div>

- 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)
  - In order to fulfill the ENSC Lab requirement you must complete ENGR 2421 and select two labs from list found on published Degree Requirements in University Catalog.
  - Basic Science Elective: select from ASTR 1013, 1023, BIOL 1113, CHEM 1314, 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713. GEOL3513 and ASTR2123 have also been approved as an alternate course choice.
  - 3 hours of technical elective - 3000 level or above from BAE, CHE, CIVE, ECEN, IEM, MAE, PETE, ENGR3030, MATH3583, 4000 or above from MATH, MET, STAT, ECON4113, ENGR4030. ENGR4063, MAE4020 and MAE4010 have also been approved as an alternate course choice.
  - For students pursuing the Dual Aerospace and Mechanical Engineering degrees, MAE 3233 will count toward the TECH Elective requirement, MAE 3524 is taken as an additional course, and MAE 4374 will count toward the MEEN CAT II Requirement. A "C" or better is required in these courses to meet Mechanical Engineering Degree Requirements.
- \*AERS Course Sequence Outlined in Blue, some courses may be Fall only or Spring only. Dual Program students may be in 17 hours during Semester 8.**
- You must complete 6 hours of Humanities - Human Heritages & Cultures (H) credits and 3 hours of Society and Human Behavior (S) credits. You are also required to meet the Board of Regents Diversity (D) and Global Cultural Competency (G) attributes by completing one course in each dimension. These attributes should be combined with your (H) and (S) requirements.

<sup>5</sup>Global Cultural  
Competency (G)

<sup>6</sup>Diversity  
Attribute (D)