



OSU - College of Engineering, Architecture & Technology

Aerospace Engineering Pre-Professional School, 2019-2020

Semester 1, 17 credit hours	Semester 2, 15 credit hours	Semester 3, 16 credit hours	Semester 4, 15 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1111 Intro to Engr </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> College Chem, Min C- MATH 1513 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>CHEM</u> 1414 For Engr </div> <div style="text-align: right;"> ENSC 2213 ENSC 3313 </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px; text-align: center;"> <u>ENGR</u> 1332 CAD/SolidWorks </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> Min C in MATH 1813 OR ALEKS </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH</u> 2144 Calc 1 </div> <div style="text-align: right;"> PHYS 2014 MATH 2153 ENSC 2213 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> ¹ENGL 1113 Comp 1 </div> <div style="text-align: right;"> ENGL 1213 </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px; text-align: center;"> ²S/D H/I </div>	<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENGR</u> 1412 VBA Prgm </div> <div style="text-align: right;"> MAE 3403 </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px; text-align: center;"> HIST 1103 Am History </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> Min C in MATH 2144 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>PHYS</u> 2014 Physics 1 </div> <div style="text-align: right;"> ENSC 2113 ENSC 2213 PHYS 2114 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> Min C in MATH 2144 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH</u> 2153 Calc 2 </div> <div style="text-align: right;"> MATH 2163 MATH 2233 ENSC 2613 ENSC 3233 IEM 3503 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> ENGL 1113 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> ¹ENGL 1213 Comp 2 </div> </div>	<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 10px;"> <div style="text-align: center;"> MATH 2144 PHYS 1114 or 2014 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 2113 Statics </div> <div style="text-align: right;"> ENSC 2123 ENSC 2143 ENSC 3233 MAE 3324 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> CHEM1314, 1414 or 1515 MATH 2144 PHYS 2014 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 2213 Thermo </div> <div style="text-align: right;"> MAE 3293 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> C or better in PHYS 2014 or 2314 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>PHYS</u> 2114 Physics 2 </div> <div style="text-align: right;"> ENSC 2613 MAE 3013 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> Min C in MATH 2153 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH</u> 2163 Calc 3 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> Min C in MATH 2153 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>MATH</u> 2233 Diff Eq </div> <div style="text-align: right;"> MAE 3293 MAE 3253 MAE 3013 </div> </div>	<div style="display: flex; justify-content: space-between; align-items: center; margin-bottom: 10px;"> <div style="text-align: center;"> ENSC 2113 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 2123 Dynamics </div> <div style="text-align: right;"> MAE 4283 MAE 3724 MAE 3113 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> ENSC 2113 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 2143 Strengths </div> <div style="text-align: right;"> MAE 3324 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> ENSC 2113 MATH 2153 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 3233 Fluids </div> <div style="text-align: right;"> MAE 3293 MAE 3233 </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> MATH 2153 PHYS 2114 </div> <div style="border: 1px solid orange; padding: 5px; text-align: center;"> <u>ENSC</u> 2613 Circuits </div> <div style="text-align: right;"> MAE 3724 MAE 3113 </div> </div> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px; text-align: center;"> POLS 1113 Am Govt </div>

Summary of Professional School Admission Requirements: Complete a minimum of 60 credit hours of required courses. Complete all underlined courses. Make a C or better in all English Courses. Make a C or better in all required Technical Courses with a GPA of 3.0 or better in those courses. Complete a minimum of 12 hours at OSU with a GPA of 3.0 or better in all courses taken at OSU. Complete a minimum of 9 hours of required technical courses at OSU with a GPA of 3.0 or better in all required technical courses taken at OSU.

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 6 hrs (S). Of these hours, 1 course must meet the International Dimension (I) and 1 course must meet the Diversity (D) req't.



OSU - College of Engineering, Architecture & Technology

Aerospace Engineering Professional School, 2019-2020

Semester 5, 16 credit hours	Semester 6, 17 credit hours	Semester 7, 12 credit hours	Semester 8, 16 credit hours
<p>Min C in CHEM 1314, 1414 or 1515</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ENSC 3313 Mat Sci </div> <p style="margin-left: 20px;">MAE 3324</p> <p>Min C in MATH 2153</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> IEM 3503 Engr Econ </div> <p>Min C in MATH 2233, PHYS 2114</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> MAE 3013 Engr Analysis </div> <p style="margin-left: 20px;">MAE 3113 MAE 3403 MAE 3724</p> <p>Min C in ENSC 2213, ENSC 3233, MATH 2233</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ⁴MAE 3293 Fnd of Aero </div> <p style="margin-left: 20px;">MAE 4243</p> <p>Prereqs Vary</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ⁸TECH Elect Or ⁶MAE 3233 for Double Deg. </div>	<p>Min C in MAE 3013, ENSC 2123, ENSC 2613</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> MAE 3113 Meas & Instr </div> <p style="margin-left: 20px;">MAE 4223</p> <p>Min C in ENSC 2143, ENSC 2113, ENSC 3313</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> MAE 3324 Mech Des 1 </div> <p style="margin-left: 20px;">MAE 4513</p> <p>Min C in ENSC 3233, MATH 2233, MAE 3293</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ⁵MAE 3253 App Aero </div> <p style="margin-left: 20px;">MAE 4283 MAE 4223</p> <p>Min C in MAE 3013, ENSC 2123, ENSC 2613</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> MAE 3724 Sys Analysis </div> <p style="margin-left: 20px;">MAE 4283</p> <p>Min C in MAE 3013, ENGR 1412</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> MAE 3403 Comp Meth </div>	<p style="text-align: center;">16 credit hours if completing dual degree</p> <p>Min C in MAE 3324</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ^{4,7}MAE 4513 Aero Structrs </div> <p style="margin-left: 20px;">MAE 4374</p> <p>Min C in ENSC 3233, MAE 3293</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ^{4,7}MAE 4243 Prop & Power </div> <p style="margin-left: 20px;">MAE 4374</p> <p>Min C in MAE 3253, MAE 3724, ENSC 2123</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ^{4,7}MAE 4283 Stab & Contrl </div> <p style="margin-left: 20px;">MAE 4374 MAE 4223</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px; width: 60px; height: 40px; text-align: center;"> ²S/D H/I </div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px; width: 60px; height: 40px; text-align: center;"> For Double Deg MAE 3524 See Footnote 6 </div>	<p>Min C in MAE 4243, MAE 4283, MAE 4513</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ^{5,7}MAE 4374 Vehicle Desg </div> <p>Min C in MAE 3113, MAE 3253, MAE 4283</p> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px;"> ^{5,7}MAE 4223 Aero Lab </div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px; width: 60px; height: 40px; text-align: center;"> ³Basic Science </div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px; width: 60px; height: 40px; text-align: center;"> ²S/D H/I </div> <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin: 5px; width: 60px; height: 40px; text-align: center;"> ²S/D H/I </div>

3. Select from ASTR 1013, 1023, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713 (see Catalog for pre-reqs)
4. Fall Only classes: MAE 3293, MAE 4513, MAE 4243, MAE 4283
5. Spring Only classes: MAE 3253, MAE 4374, MAE 4223
6. If completing double degree, then MAE 3524 is a required extra 4 credit course, and MAE 3233 must be taken as the Tech elective
7. Admission to Professional School required.
8. 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

Note: Basic Science elective is not included in the PS/Major GPA requirement.

