MECHATRONICS AND ROBOTICS, BSET

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum average technical grade-point-average: 2.0
Total Hours: 122

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGR 1111</td>
<td>Composition I</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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American History & Government

Select one of the following:

| HIST 1103 | Survey of American History (or) |
| HIST 1483 | American History to 1865 (H) (or) |
| HIST 1493 | American History Since 1865 (DH) |
| POLS 1113 | American Government |

Analytical & Quantitative Thought (A)

| MATH 2144 | Calculus I (A) |
| MATH 2153 | Calculus II (A) |
| STAT 4013 | Statistical Methods I (A) |

Humanities (H)

Courses designated (H)

Natural Sciences (N)

Must include one Laboratory Science (L) course

| PHYS 2014 | University Physics I (LN) |

Social & Behavioral Sciences (S)

| SPCH 2713 | Introduction to Speech Communication (S) |

Additional General Education

Any course with A, N, L, or S.

Any upper-division courses from the following: Accounting, Astronomy, Biology, Chemistry, Computer Science, Engineering, Engineering Technology, Entrepreneurship and Emerging Enterprise, Finance, Geology, Legal Studies in Business, Management, Marketing, Mathematics, Physics and Statistics

Hours Subtotal: 41

Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan

Select at least one Diversity (D) course

Select at least one International Dimension (I) course

College/Departmental Requirements

| ENGR 1111 | Introduction to Engineering |
| ENGR 2421 | Engineering Data Acquisition Controls Lab |
| MATH 2163 | Calculus III |

MATH 3263 or EET 3423
Linear Algebra and Differential Equations
EET 2303
Applied Analysis for Technology
EET 1104
Fundamentals of Electricity
EET 1244
Circuit Analysis I
EET 2544
Pulse and Digital Techniques
EET 2633
Solid State Devices and Circuit I
MET 1123
Technical Drawing and Basic CAD
MET 3223
Geometric Dimensioning and Tolerancing
MET 2313
Fundamentals of Hydraulic Fluid Power
ENSC 2113
Statics
ENSC 2123 or MET 3003
Elementary Dynamics
ENSC 2143
Strength of Materials

Total Hours: 122

Additional Requirements

- A grade of “C” or better is required in all courses with an analytical or natural science designation or engineering or engineering technology prefix.
- A grade of “C” or better is required for courses with the prefix EET/MET/MERO, and any course in physic and mathematics is required to enroll in subsequent courses.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.