### Preparatory Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Sem</th>
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<tbody>
<tr>
<td>MATH 1813 Pre-Calculus</td>
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<tr>
<td>CHEM 1215-1314 General Chemistry</td>
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<tr>
<td>ENGL 1113 Fresh Composition I</td>
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<td>HIST 1103 American History</td>
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<td>ENGR 1111 Intro to Engineering</td>
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<tr>
<td>MATH 2144/2123 Calculus I</td>
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<td>MATH 2153/2133 Calculus II</td>
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<tr>
<td>PHYS 1214/2114 Physics I</td>
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<td>PHYS 2014 Physics I</td>
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1. Students with less than a “B” in ENGL 1113 or 1313 must take ENGL 1213 or 1413 and may not substitute ENGL 3323 for 1213. (Academic Regulation 3.5)
2. At least 6 hours designated (H) and at least 3 hours designated (S). Of these, 1 hr. must meet the International Dimension "I" and 1 hr. must meet the Diversity requirement "D".
3. Select one course from CHEM 1215, 1314, 1414.
4. ALEKS Exams for Mathematics Classes: Students are required to take an online examination using a system named ALEKS. The following website describes the exam, how to login and other details. Please read all of the website page before going to the link to the exam. Refer to the OSU Math Department website: [http://placement.okstate.edu/math](http://placement.okstate.edu/math).
5. A grade of ‘C’ or better is required in a 1000 to 3000-level GENT or MET course in order to advance to a course for which the GENT or MET course is a prerequisite.
6. The prerequisites structure allows for concurrent enrollment in MET 4003 for MET 4103, in MET 2223 for MET 4103, in ENGL 3323 for MET4123, and MET 4433 for MET 4463.
MECHANICAL ENGINEERING TECHNOLOGY
121 Semester Hours (Minimum)
2019-2020

PREREQUISITES

MATH 2123/2144, PHYS 2014

MET 3433 Thermodynamics
Grade Sem

MATH 2123/2144, PHYS 2014,
GENT 2323/ENSC 2113

MET 3313 Applied Fluid Mechanics
Grade Sem

CHEM 1215/1314/1414

MET 3343 Physical Metallurgy
Grade Sem

MATH 2123/2144

MET 3003 Dynamics
Grade Sem

MATH 2123/2144, PHYS 1214/2114,
GENT 3323/ENSC 2143

ENGL 3323 Technical Writing
Grade Sem

GENT 2323/ENSC 2113

MET 4003 Machine Elements
Grade Sem

MATH 2123/2144,
GENT 3323 / ENSC 2143

MET 4103 Senior Design 1
Grade Sem

MET 2223

MECHANICAL ENGINEERING TECHNOLOGY

Year 3

Junior Fall 15

MET 3433 Thermodynamics

Grade Sem

Junior Spring 15

MET 4433 Heat Transfer

Grade Sem

Year 4

Senior Fall 15

MET 4463 Thermal Fluids Lab

Grade Sem

Senior Spring 15

MET _ _ _ 3 Related Specialty

Grade Sem

Other Requirements
Mechanical Engineering Technology

• A minimum of 40 hours must be upper division

• Communications 6hrs: ENGL 3323, SPCH 2713 or 3703 or 3723.

• MET Related Specialty 9 hrs:
  MET 3413 or 3423 F/C, MET 3573 F/L,
  MET 4023 SuS/Y, MET 4033 F/Y,
  MET 4113 SuF/A, MET 4203 SuS/V,
  MET4303 S/L, MET 4313 S/C

• Legend: Fall = F, Spring = S, Summer =Su; Alexander = A, Chang = C, Yang = Y,
  Lewis = L, Vora = V.

• Common Upper Division Controlled Electives 3hrs: MGMT 3013, MGMT 3313, LSB 3213, MKTG 3213, ENGR, ENGR TECH, MATH, CHEM, PHYSICS, STATISTICS, or (See Above) for additional MET Related Specialty.

• For further information, contact the MET Program Coordinator, Faculty or Director of Engineering Technology.

• A flexible study plan is designed to meet each student's individual goals.