### Materials Science and Engineering 2022–2023 Undergraduate Curriculum

<table>
<thead>
<tr>
<th>Total Credits: 123 (updated October 2022)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FALL</strong></td>
<td><strong>FALL</strong></td>
<td><strong>FALL</strong></td>
<td><strong>FALL</strong></td>
</tr>
<tr>
<td>15 Credits</td>
<td>15 Credits</td>
<td>15 Credits</td>
<td>15 Credits</td>
</tr>
<tr>
<td><strong>SPRING</strong></td>
<td><strong>SPRING</strong></td>
<td><strong>SPRING</strong></td>
<td><strong>SPRING</strong></td>
</tr>
<tr>
<td>17 Credits</td>
<td>15 Credits</td>
<td>15 Credits</td>
<td>15 Credits</td>
</tr>
</tbody>
</table>

#### 1st Year
- **Fall**: MATH 171 [3-3-4] (C) * Calculus I (ALEKS Placement = 83%)
- **Spring**: MATH 172 [3-3-4] (C) * Calculus II (MATH 171)

#### 2nd Year
- **Spring**: MATH 233 [3-0-3] (C) * Materials Characterization Lab (MSE 201)
- **Fall**: STAT 370 [3-0-3] (C) * Statistics for Engineers (MATH 171)

#### 3rd Year
- **Fall**: ME 312 [2-3-3] (C) * Manufacturing Engineering (MSE 201, MIE)
- **Spring**: MATH 315 [3-0-3] (C) * Differential Equations (MATH 273, MATH 220 or c/)

#### 4th Year
- **Spring**: DIVR [3-0-3] * Any Course Under “DIVR” from UCORE1

---

Admit to Major Requirements: MATH 171 ready (A minimum of 83% ALEKS, AP Calculus test score of 2, or MATH 106 and 108 with a C)

### Benchmarks to Stay in the Major:
- Earn a C or higher in all major classes and maintain a 2.60 or higher major GPA

### Technical Elective
- **[3-0-3] (C) *** Engineering CAD & Visualizations (MATH 171 or c/)

---

See next page for footnotes and table key. This document is for unofficial planning purposes.
Review the [Washington State University Catalog](#) for course pre-requisites and grade requirements.

1 **WSU Undergraduate Education UCORE**

2 Technical Electives (Minimum of 9 credits, of which 3 must be upper division or 500 level): Any upper division CE, CH E, CHEM, CPT S, E E, MATH, ME, MSE, PHYSICS, or STAT course not used to fulfill other requirements (excluding ME 416), CE 211, and 215, EE 261, and 262, ME 212 and 216.

3 Major courses required for the MSE degree include all engineering, physics, chemistry, and math courses listed in the schedule of studies. Only one repeat of MME courses is allowed. MME students are required to complete the senior exit survey.

**Key**

* = Grade calculated for ENGR GPA

[ ] = Lecture Hours – Lab Hours – **Total Credits**

( ) = Minimum Grade Required

( ) = Course Pre-requisites

c// = Concurrent Enrollment

MIE = Admitted to the Materials Science Engineering Major