Prerequisite Courses:

- B CHEM 143/144 General Chemistry 1 (NSc)
- B PHYS 121 Mechanics (NSc)
- B PHYS 122 Electromagnetism & Oscillating Motion (NSc)
- B ME 221 Statics
- B ME 222 Mechanics of Materials
- B ME 223 Dynamics
- STMATH 124 Calculus I (NSc, RSN)
- STMATH 125 Calculus II (NSc)
- STMATH 126 Calculus III (NSc)
- STMATH 224 Multivariable Calculus*
- STMATH 207 Differential Equations*
- B WRIT 134 Composition (C) or B WRIT 132 & 133 Composition Stretch I & II

- A minimum 2.0 is required for all prerequisite courses (a 3.0 or higher is recommended and repeats suggested if more than one prerequisite course is below 3.0).
- *Course may be in-progress at time of application.

General Education and Areas of Inquiry (AOI)

<table>
<thead>
<tr>
<th>Writing Requirement – 15 credits</th>
<th>Natural Sciences (NSc) – 15 credits</th>
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<tbody>
<tr>
<td>☐ B WRIT 134 Composition or B WRIT 132 &amp; 133</td>
<td>☐ STMATH 124 Calculus I</td>
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<tr>
<td>☐ B WRIT 135 Research Writing</td>
<td>☐ STMATH 125 Calculus II</td>
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<tr>
<td>☐ B ME 481 The Citizen Engineer (taken in major)</td>
<td>☐ B PHYS 121 Mechanics</td>
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<tr>
<th>Arts and Humanities (A&amp;H) – 15 credits</th>
<th>Social Sciences (SSc) – 15 credits</th>
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<tbody>
<tr>
<td>☐ Discovery Core 1+ or Discovery Core 2+</td>
<td>☐ Discovery Core 1+ or Discovery Core 2+</td>
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<tr>
<td>☐ B ME 315 Intro to 3D Modeling (taken in major)</td>
<td>☐ B ME 481 The Citizen Engineer (taken in major)</td>
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<tr>
<td>☐ BIS 121 Intro to Drawing – strongly recommended</td>
<td>☐ B ENGR 494 Innovation and Design Capstone Design I (taken in major)</td>
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*Students with 45 or more credits entering UWB can substitute any A & H or SSc course instead of Discovery Core.

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<tr>
<th>Reasoning (RSN) – 5 credits</th>
<th>Diversity (DIV) – 3 credits</th>
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<tr>
<td>☐ STMATH 124 Calculus I</td>
<td>☐ B ME 481 The Citizen Engineer (taken in major)</td>
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</table>
Applying to Mechanical Engineering

(Subject to change. Please check with your advisor)

How to Apply:

- Current UWB students may use the on-line application at the Mechanical Engineering Admissions web page.

Applications Dates: See website for deadlines

Number of prerequisites that can be in progress at the time of application:

- STMATH 207 and STMATH 224 are the only prerequisites that may be in progress at time of application. All prerequisite courses must be completed with a minimum 2.0 GPA prior to starting the program.
- If applying for Autumn admissions, B ME 223 can be in progress at time of application (during Spring quarter). B ME 223 can not be in progress during Summer quarter if applying for Autumn admissions.
- If applying for Winter admissions, B ME 223 must be complete no later than the previous summer. B ME 223 can not be in progress during the Autumn directly before the Winter quarter being applied for.

Am I competitive?

- The Math, Science, and Engineering prerequisite GPA average is a 3.5; overall GPA is similar. This is expected to go up for future admission cycles.

Application Recommendations:

- Repeats suggested if more than one prerequisite course is below 3.0.

- Your personal statement should be no longer than 650 words and answer both questions below:

  1. Describe one or two of your core values. Make sure to include an adequate description of experiences that have helped you form and test those values. In addition, please relate your core values to the values, mission, and vision of UW Bothell (www.uwb.edu/about/vision).
  2. Describe why you are interested in earning a mechanical engineering degree both in general and more specifically at UW Bothell (make sure to check out our program website: www.uwb.edu/mechanical). This description should include discussion of (1) any relevant life experiences you may have had (e.g. employment, internships, military service, volunteer work, campus or civic activities, etcetera) and (2) your anticipated career as a mechanical engineer.

Pre-Major Contact: UWBAvis@uw.edu | (425) 352-3427

Last update: 12/06/2022