**PREREQUISITES:**
- ☐ B CHEM 143/44 General Chemistry I (NW)
- ☐ B PHYS 121 Mechanics (NW)
- ☐ B PHYS 122 Electromagnetism & Oscillatory Motion (NW)
- ☐ B ME 221 Statics
- ☐ B ME 222 Bodies*
- ☐ B ME 223 Accelerating Bodies*
- ☐ STMATH 124 Calculus I (NW)
- ☐ STMATH 125 Calculus II (NW)
- ☐ STMATH 126 Calculus III (NW)
- ☐ STMATH 324 Multivariable Calculus*#
- ☐ STMATH 307 Differential Equations*#
- ☐ B WRIT 134 Interdisciplinary Writing or other Composition

**GRADE:**

Students must complete the prerequisite coursework prior to admission to the Bachelor of Science in Mechanical Engineering program. A minimum grade of 2.0 or higher 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.  
*New prerequisite for students entering ME Autumn 2018 or later.

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**Areas of Knowledge**

**WRITING REQUIREMENTS – 15 CREDITS**
- ☐ B WRIT 134 Interdisciplinary Writing
- ☐ B WRIT 135 Research Writing
- ☐ B ME 481 The Citizen Engineer (taken in major)

**VISUAL, LITERARY, & PERFORMING ARTS (VLPA) – 15 CREDITS**
- ☐ Discovery Core 1+ or Discovery Core 2+
- ☐ B ME 315 Intro to 3D Modeling (taken in major)
- ☐ B ARTS 121/BIS 121 Intro to Drawing

**INDIVIDUALS & SOCIETY (I&S) – 15 CREDITS**
- ☐ Discovery Core 1+ or Discovery Core 2+
- ☐ B ME 481 The Citizen Engineer (taken in major)
- ☐ B ME 482 Professional Engineer (taken in major)

**NATURAL WORLD (NW) – 15 CREDITS**
- ☐ STMATH 124 Calculus I
- ☐ STMATH 125 Calculus II
- ☐ B PHYS 121 Mechanics

*Students with 45+ credits prior to entering UWB can substitute any VLPA or I&S course instead of Discovery Core.

**QUANTITATIVE AND SYMBOLIC REASONING (QSR) – 5 CREDITS**
- ☐ ST MATH 124 Calculus I

**DIVERSITY (DIV) – 3 CREDITS**
- ☐ B ME 481 The Citizen Engineer (taken in major)

**MAJOR REQUIREMENTS –**
(Recommended to be taken in pre-major status):
- ☐ ST MATH 324 Multivariable Calculus#
- ☐ ST MATH 307 Differential Equations#
- ☐ B CHEM 153/154 Gen Chem II

Complete both of the following courses:
- ☐ CSS 142 Fundamentals of Computing
- ☐ BIS 121 Intro to Drawing

**ADVISOR NOTES:**

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### Course/Requirement

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Pre-Majors Contact: [Uwb advis@uw.edu](mailto:Uwb advis@uw.edu) | (425) 352-3427

STEM approved: 6/7/17 (CE)
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 www.uwb.edu/mechanical/admissions.

Applications are Accepted:
• Autumn quarter only – May 1 deadline

Number of prerequisites that can be in progress at the time of application:
• B ME 222, B ME 223, STMATH 307, and STMATH 324 are the only prerequisites that may be in progress at time of application.

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.
• Repeating a course results in the new grade minus 0.2 used in the calculation of points for admission.
• Have a well written personal statement that includes the following:
  o Why you want to pursue Mechanical Engineering including what has led you to this point and your future goals;
  o Work experience and extracurricular activities;
  o Brief explanation of any extenuating circumstances that affected your academic progress;
  o Please keep your statement between 500 - 1000 words.