The **Mechanical and Materials Engineering** Department at Portland State University offers a Bachelor of Science in Mechanical Engineering (BSME). Our undergraduate program is accredited by ABET and is focused on Mechanical Engineering design with application in the thermal and fluid sciences and in machinery and mechanical systems. This four year major prepares students for entry-level positions in Mechanical Engineering (ME).

Students apply to the ME major in the Maseeh College once all required lower division coursework has been completed/in final terms of completion, in order to take upper division (300– and 400– level) engineering courses. This is a separate application from the PSU Admission Application. Details of admission to the ME major including application deadlines and the application can be found at: pdx.edu/mme/how-to-apply

**General education:** Transfer students enter into PSU’s University Studies (General Education) program based on the quantity of credits completed. In addition, transfer students are required to complete lower division Arts and Letters/Social Science (A&L/SS) Requirements. **Note:** ME majors are required to take WR 121 and a Communication/Speech class prior to admission to the upper division program.

Writing 327 (upper division Technical Report Writing) will be taken at PSU, therefore ME majors are not required to take lower-division WR 227 (Introductory Technical Writing). Please see the handout entitled “Maseeh College of Engineering and Computer Science Arts & Letters/Social Science Requirement” available on the Maseeh College Undergraduate Advising website under info for Transfer Students for more details (pdx.edu/cecs/undergraduate-advising).

**TIPS**

- Apply for admission to Portland State University by the priority admission deadlines (December 1 for the following fall)
- Apply to the BSME program once required lower division courses are completed, or last remaining course are in progress (more info: pdx.edu/mme/how-to-apply); lower division courses may be taken at PSU or at community college
- Transferring to PSU in the fall term provides a smooth beginning as many classes are “sequenced” and may only begin in the fall term; beginning in a winter or spring term may limit the classes you can select from.
- In order to apply for PSU scholarships, students must have already applied to PSU. Scholarship application due date = Feb. 1 for the next academic year that begins in September (pdx.edu/scholarships)
- All incoming PSU students must complete Orientation before registering; students must have been admitted to PSU before they can sign up for Orientation (pdx.edu/orientation/)
- Advising is available to community college students planning to transfer to PSU (contact the Maseeh College Student Services Office: 503.725.4631; advisor@cecs.pdx.edu)
MECHANICAL ENGINEERING course equivalencies

**Required PSU MATH courses:**

- Math 251/Calculus 1
- Math 252/Calculus 2
- Math 261/Linear Algebra
- Math 254/Calculus 4
- Math 256/Differential Equations

**Required PSU SCIENCE courses:**

- CH 221&227 and CH 222&228*/General Chemistry with labs
- PH 211 or 214; PH 212 or 222; PH 213 or 223

**Required PSU ENGINEERING courses:**

- (EAS 199A + EAS 199B + EAS 199C) OR (EAS 101 + EAS 115*)
- EAS 211/Statics
- EAS 212/Strength of Materials
- EAS 215/Dynamics
- ME 213/Properties of Materials*
- ECE 241 & lab/Introduction to Electrical Engineering
- ME 241/Manufacturing Processes*
- ME 321/Engineering Thermodynamics*
- ME 350/Programming & Numerical Methods*

*All of the courses listed above are required for the ME degree at PSU. Six of those courses do not have to be completed before admission to the upper division program: CH 222/228 General Chemistry, EAS 115 Engineering Graphics, ME 213 Properties of Materials, ME 241 Manufacturing Processes, ME 321 Engineering Thermodynamics and ME 350 Programming & Numerical Methods. Although these courses are not required for admission, they are required for graduation, and we advise you to take them in the order they appear on the blue sheet/course plan. Delaying these classes could result in prerequisite deficiencies that may slow your progress to graduation in the senior year.

http://www.pdx.edu/cecs/undergraduate-advising