Manufacturing Engineering @ Western

Manufacturing organizations are responsible for creating the vast array of products used in our modern world. Manufacturing Engineers need to be both critical thinkers and hands-on. They can be employed in any company that creates a product, and may be involved at any point in product development from design to plant operations, maintenance, and management. The ability to work in and lead teams allows for career advancement in management, and innovations leading to patents and start-ups.

- **ABET Accredited**
- **Bachelor's of Science**
- **149-153 total credits**

**Sample Careers!**
- Manufacturing Engineer
- Mechanical Designer
- Tool Designer
- CNC Programmer
- Project Manager
- Production Engineer

**Student Spotlight**

“This program allows for a variety of hands on experience. From working with injection molding and computer aided design to programming robots and 3-D printing, manufacturing knowledge has aided me in discovering what I love most about engineering.”

- Lillie Larson, Senior, Manufacturing Engineering
Students emphasize in Computer Aided Design (CAD) or Robotics.

Manufacturing Engineering
The process of creating products starts with the identification of a need followed by a systematic sequence of engineering activities that includes the design of the product, the manufacturing processes, the equipment and tooling, and the production systems necessary to produce the final product in sufficient quantities, and with a quality that will be profitable to the organization. The study of manufacturing engineering develops the ability to apply the methods and technologies that accomplish this design effort, and that implement, operate, manage, and continuously improve the facilities and processes necessary for an organization’s success. This program develops these skills with the help of intensive laboratory components spread throughout its courses.

Major Timeline
Apply to WWU and declare your pre major
Take pre major courses in year one and two
Apply to major - end of winter quarter year two

Questions?
Contact ENGD@wwu.edu
or 360 650 3380

Admissions & Advising
Lisa Ochs
Pre Major Advisor
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Dr. Derek Yip-Hoi
Program Director
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Admissions to this major is competitive. Your pre major advisor and program director are here to help!

At Western Washington University