

# 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**

## Learn



## More

small,  
hands-on  
classes

declare as a  
pre major any  
time!

exclusive  
access to  
industry-  
standard  
machines

- Manufacturing Engineer
- Mechanical Designer
- Tool Designer
- CNC Programmer
- Project Manager
- Production Engineer

Sample  
Careers!

## 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

# Admissions & Advising

**Students emphasize  
in Computer Aided  
Design (CAD) or  
Robotics.**

**Lisa Ochs**  
Pre Major Advisor  
Ochsl2@wwu.edu  
360 650 4132

**Dr. Derek Yip-Hoi**  
Program Director  
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360 650 7236

Admissions to this major is competitive. Your pre major advisor and program director are here to help!

## 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](mailto:ENGD@wwu.edu)

or 360 650 3380

Design



Produce

Study Manufacturing Engineering

At Western Washington University