

Polymer Materials Engineering

"The PME major is an incredible program that facilitates learning through an experience-based approach which prepares young professionals for both industry and graduate studies."
Juliana Covarrubias
PME Senior, Class of 2022



150 credits | Bachelor of Science

The only program of its kind in the nation. The PME program prepares students for industry with practical experience in design, materials, manufacturing, economics, testing, and analysis of materials in well-equipped laboratories.

Are you interested in?

- sustainability in materials and manufacturing
- making a difference in the world
- problem solving
- making and designing stuff
- hands-on learning working with industry on real-world solutions

By the numbers

5 quarters of pre-major coursework

24 majors enrolled annually

75% students complete internships

10-15 undergraduate research positions

79% alumni working or in graduate school

6 full time faculty and staff

Polymer Materials Engineering

Get involved!

PCE students have opportunities to work alongside faculty on industry-sponsored research projects. Many of our students have landed internships and full time employment with companies after being on a research team. **Research topics include ocean plastics recycling, reducing aerospace composite waste, compostable plastics, and high performance 3D printing for space applications.**



Hands-on learning

Our laboratories are well equipped with industry-grade machines and instruments. Students have access to thermoplastic processing, composite and thermoset processing, and materials testing. Some of our equipment includes an autoclave, pneumatic ski press, extruders, injection molders, and cnc machines.

Recent alumni employment

- Nike Process Engineer
- Boeing Manufacturing Engineer
- Tesla Mechanical Design Engineer
- Janicki Industries Project Engineer
- Systima Technologies Design Engineer

Areas of study

- Polymer/composite materials
- Traditional manufacturing
- Additive manufacturing/3D printing
- Tooling and part design

Contact information

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Our alumni say:

"The PME professors and leaders provide the education, community, and opportunities necessary for success after graduation." **Katherine Ray, Class of 2019 Process Engineer, Nike**

"WWU takes a multi-disciplinary approach to problem solving and positions you to be an effective team member on any project you are a part of." **Robert Kearney, Class of 2017 Product Development Engineer, Boeing**

"The department offers incredible opportunities for those who are willing to seek them out. Be open to new experiences and try to get out of your comfort zone, you may find a passion for an aspect of engineering you did not know you had!" **Lina Ghanbari, Class of 2019 PhD student, University of Southern Mississippi**