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2022 ic Yea	Plastics & Compos	sites Engineering, BS	ENGINEERING AND DESIGN	
2021-2022 Academic Yea	ABET accredited Course offerings subject to change			
Ā	Major Credits: 150 (GURs not included)	Pre-major coursework in grey areas/Full major courses in white		
	Fall	Winter	Spring	
	MATH 124 (5) Calculus 1, <u>F</u> WS	MATH 125 (5) Calculus II, F <u>W</u> S	PHYS 162 (5) Physics w/ Calc II, WS	
First	CHEM 161 (5) Gen Chemistry I, FWS	PHYS 161 (5) Physics w/ Calc I, F <u>W</u>	ENGR 115 (4) Innovation in Design, WS	
Fi⊩	ENGR 101 (2) Eng., Design, & Society, FW	CHEM 162 (5) Gen Chemistry II, FWS		
	Pre-major course	s in BOLD are required for major admission	ns.	
Second	ENGR 170 (4) Intro Material Science, <u>F</u> W	APPLY TO MAJOR	MAJOR COURSES BEGIN	
	ENGR 214 (4) Statics, <u>F</u> W	ENGR 225 (4) Mechanics of Materials, FWS	MFGE 261 (4) Intro to CAD, S	
	PHYS 163 (5) Physics w/ Calc III, <u>F</u> S	CSCI 140 or 141 (4) Program. Fund, F <u>W</u> S	PCE 371 (5) Intro to Plastics, FS	
()		MATH 345 (4) Engineering Statistics, F <u>W</u> S	MFGE 250 (4) Into to Manuf. Automation, S	
	CHEM 251 (4) Elem. Orgainic Chemsitry, F	PCE 372 (5) Intro to Composites, W	CHEM 308 (3) Polymer Chemistry, S	
Third Year	MFGE 341 (4) Quality Assurance, <u>F</u> W	PCE 342 (4) Design of Experiements, <u>W</u> S	PCE 331 (4) Injection Molding, S	
Ė⊁	MFGE 231 (4) Intro to Manuf. Processes, <u>FS</u>	EECE 351 (4) Electronics for Engineers, FW	MFGE 462 (4) CAD Using Surfaces, S	
	PCE 491 (WP) (2) Project Research, F	PCE 492 (WP) (3) Project Proposal, W	PCE 493 (4) Project Implementation, S	
£ <u></u>	PCE 471 (4) Adv Materials & Char, F	PCE 431 (4) Adv Materials and Proc, W	PCE 461 (4) Tooling for Plastics, S	
Fourth Year	PCE 471 (4) Adv Materials & Char, F PCE 472 (4) Advanced Composites, F	MFGE 332 (4) Intro To CAM & CNC, FW	Tech Elective	
	Tech Elective	Tech Elective	Tech Liective	
Engineering &	Design	Notes and Exceptions		

516 High Street, Bellingham, WA 98229

ENGD@wwu.edu | 360.650.3380

http://engineeringdesign.wwu.edu

Pre-major Advisor: Lisa Ochs

360.650.4132 lisa.ochs@wwu.edu

Math 341 may be substituted for MATH 345, CSCI 141 may be substituted for 140 Students must complete 9+ credits of tech. electives - see website for approved courses Full majors must complete PHYS 163 by the end of spring quarter year 3 Full majors must complete PCE 342 and ENGR 225 by the end of winter quarter year 3 Students must complete General University Requirements in addition to major courses

Plastics & Composites Engineering, BS



Admissions

Students must first be accepted by the university. **The program accepts major applications during winter quarter only.** Accepted students start major coursework spring quarter. Transfer students may apply at the same time if required coursework is complete or in progress.

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Required essaay

Admissions statistics

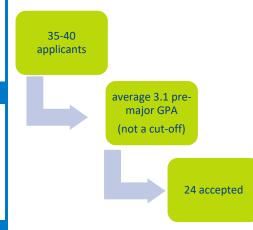
MATH 124	Calculus I	
MATH 125	Calculus II	
CHEM 161	General Chemistry I	
CHEM 162	General Chemistry II	
PHYS 161	Physics w/ Calculus I	
ENGR 101*	Engineering, Design, and Society	
ENGR 115	Engineering Innovation	
ENGR 170	Intro to Materials Science & Engineering	
ENGR 214	Statics	
*waived for transfer students		

Students may be enrolled in no more than 3 required courses at time of application

The program requires applicants to submit a one page or 500 words maximum essay explaining why they want to pursure a degree in PCE.

Applications due

Applications due the first Friday in February every year. Accepted students start major coursework spring quarter. Applicants are notified of decisions before spring quarter registration.



Recommended, but not required to apply

MATH 345	Engineering Statistics	
PHYS 162	Physics w/ Calculus II	Transf
PHYS 163	Physics w/ Calculus III	contac
CSCI 140	Programming Fundamentals	course
CHEM 251	Elementary Organic Chemistry	time t
ENGR 225	Mechanics of Materials	

Transfer students

Transfer students are encouraged to contact the pre-major advisor to discuss course equivlancies and recommended time to transfer.

Technical Electives

Majors are required to complete 9-13 technical electives before graduation (# depends on year declared). See website for approved list of elective courses. Faculty advisors must approve courses not on this list.

Faculty Contact Information

Professor Nicole Larson, larsonn4@wwu.edu Associate Professor John Misasi, misasij@wwu.edu Professor Nicole Hoekstra, hoekstra@wwu.edu Associate Professor Mark Peyron, mpeyron@wwu.edu

udpated: May 2021