
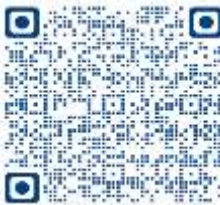


2026-2027 Academic Year MS&E	<b>Materials Science &amp; Engineering, BS</b>			
	Degree Credits: 151 (GURs not included)	Admissions info: <a href="https://engineeringdesign.wvu.edu/">https://engineeringdesign.wvu.edu/</a>		
Course offerings subject to change		Pre-major coursework in grey areas		
ABET Accredited		Full major courses in white		
Fall		Winter		Spring

First Year	MATH 124 (5) Calculus 1	FWS	MATH 125 (5) Calculus II	FWS	ENGR 114 (4) Intro to CAD	FWS
	CHEM 161 (5) Gen Chemistry I	FWS	PHYS 161 (5) Physics w/ Calc I	FW	PHYS 162 (5) Physics w/ Calc II	WS
	ENGR 101 (3) Eng, Design & Soc (BCGM)	FWS	CHEM 162 (5) Gen Chemistry II	FWS	ENGL 101 (GUR) (5)	FWS

Second Year	ENGR 115 (4) Innovation in Design	FWS	ENGR 170 (4) Intro to Material Science	FW	<b>APPLY TO MAJOR</b>	
	PHYS 163 (5) Physics w/ Calc III	FS	ENGR 214 (4) Statics	FW	ENGR 225 (4) Mechanics of Materials	
	GUR		CSCI 141 (4) Computer Programming I	FWS	GUR	
	GUR		GUR		GUR	

**Eligible pre-majors apply to the major during spring quarter. Accepted students start major courses fall quarter. Students may have 3 of the required classes in progress at the time of application.**

Third Year	CHEM 251 (4) Elem. Organic Chemistry	F	PME 342 (4) Design of Experiments	WS	MFGE 462a (2) CAD Using Surfaces	S
	MSE 371 (5) Intro to Plastics and processes	F	MSE 372 (5) Intro to Composites	W	MFGE 462b (2) CAD Using Surfaces	S
	MFGE 231 Intro to Manuf. Processes	F	MFGE 341 (4) Quality & CI	WS	MFGE 250 (4) Into Manuf. Automation	FS
	MATH 341 (4)	FWS	CHEM 308 (3) Polymer Chemistry	S	MSE 331 (4)	S

Fourth Year	MSE 491 (WP) (3) Project Research	F	MSE 492 (WP) (3) Project Proposal	W	MSE 493 (4) Project Implementation	S
	MSE 471 (4) Adv Materials & Char.	F	MSE 431 (4) Adv Materials and Proc	W	MSE 461 (4) Tooling for Plastics	S
	MSE 472 (4) Advanced Composites	F	MFGE 332 (4) Intro To CAM & CNC	<u>W</u>	Tech Elective	
	Tech Elective		Tech Elective			

<p><b>Engineering &amp; Design</b>          516 High Street, Bellingham, WA 98225  <a href="mailto:ENGD@wwu.edu">ENGD@wwu.edu</a>   360.650.3380  <a href="http://engineeringdesign.wvu.edu">http://engineeringdesign.wvu.edu</a></p>	<p style="text-align: center;"><b>NOTES &amp; EXCEPTIONS</b></p> <p>Students must complete <b>General University Requirements (GURs)</b> in addition to major courses.          Math 341 may be substituted for MATH 345.          Students must complete 9 credits of tech. electives - seek advising for specifics.</p>
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<p><b>Materials Science &amp; Engineering, BS</b></p> <p><b>Admissions</b></p>	 WESTERN WASHINGTON UNIVERSITY ENGINEERING AND DESIGN
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Students must first be accepted by the university. **The program accepts major applications during spring quarter only.** Accepted students start major coursework fall quarter. Transfer students may apply at the same time if required coursework is complete or in progress.

Required coursework to apply		Required short answer questions	Admissions Statistics
CHEM 161	General Chemistry I	Students must answer a set of short answer questions on the application. The questions are related to the applicant's career goals, interest in the degree, academic successes/challenges, leadership experience, etc.	<pre> graph TD     A[19-32 Applicants] --&gt; B[24 Accepted]     B --&gt; C[3.20 Average GPA]           </pre>
CHEM 162	General Chemistry II		
CSCI 140/141	Programming Fundamentals	<b>Applications due: Spring Quarter</b>	
MATH 124	Calculus I	See website for due date. Accepted students start major coursework fall quarter. Applicants are notified of decisions before fall quarter registration begins.	
MATH 125	Calculus II	<b>Transfer students</b>	
PHYS 161	Physics w/ Calculus I	Transfer students are encouraged to contact the pre-major advisor to discuss course equivalencies and recommended time to transfer.	
PHYS 162	Physics w/ Calculus II		
PHYS 163	Physics w/ Calculus III		
ENGR 101*	Engineering, Design, and Society		
ENGR 114	CAD		
ENGR 115	Engineering Innovation		
ENGR 170	Intro to Materials Science & Engineering		
ENGR 214	Statics		
ENGR 225	Mechanics of Materials		
*May be waived for new transfer students with advanced standing, ask advisor.			
Students may be enrolled in no more than 3 required courses at the time of application.			

**Technical Electives**

9 credits required. See website for list of approved courses and specific rules. Faculty advisors must approve courses not on this list. # of technical electives required varies depending on the declaration year.

**Faculty Contact Information**

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 Associate Professor John Misasi, [misasij@wwu.edu](mailto:misasij@wwu.edu)

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