



Department of Engineering, Technology, Safety & Construction

Mechanical Engineering Technology, Bachelor of Science Four-Year Academic Road Map

Sample only—your academic advisor will help you create a plan that is right for you.

	Fall Quarter	Winter Quarter	Spring Quarter
YEAR 1	UNIV 101 Transition to CWU 1	MATH 154* Pre-Calculus II 5	MATH 172* Calculus I 5
	MATH 153* Pre-Calculus I 5	ENG 101 Composition I 5	ENG 111 Writing in the Sciences 5
	CHEM 181+Lab or CHEM 111+Lab 5	K2, K3, K4, K5, K6, K8** 4-5	K2, K3, K4, K5, K6, K8** 4-5
	K2, K3, K4, K5, K6, K8** 4-5		
	Quarter Credits 15-16	Quarter Credits 14-15	Quarter Credits 14-15
YEAR 2	MATH 173* Calculus II 5	K2, K3, K4, K5, K6, K8** 4-5	EET 221+Lab Basic Electricity 4
	PHYS 181 General Physics I 5	PHYS 182 General Physics II 5	PHYS 183 General Physics III 5
	ETSC 160 Computer Aided Design 5	ETSC 265 Three-dimensional Modeling 5	ETSC 301 Engin Project Cost Analysis 4
			MET 255 Machining 4
	Quarter Credits 15	Quarter Credits 14-15	Quarter Credits 17
YEAR 3	ETSC 311 Statics 4	ETSC 312 Mechanics or Materials 4	MET 315+Lab Fluid Dynamics 5
	MET 314+Lab Applied Thermodynamics 5	MET 327+Lab Technical Dynamics 5	MET 316+Lab Applied Heat Transfer 5
	MET 345 or MET 355 4	MET 382+Lab Plastics and Composites 5	MET 351+Lab Metallurgy/Materials 5
	K2, K3, K4, K5, K6, K8** 4-5		
	Quarter Credits 17-18	Quarter Credits 14	Quarter Credits 15
YEAR 4	MET 489A Senior Project I 4	MET 489B Senior Project II 4	MET 489C Senior Project III 4
	MET 418+Lab Mechanical Design I 5	MET 419+Lab Mechanical Design II 5	K2, K3, K4, K5, K6, K8** 4-5
	MET 426+Lab Mechanics of Materials 5	MET 488 Prof Cert Exam Prep 2	General Coursework*** 8
		MET 257 or MET 420 4	
	Quarter Credits 14	Quarter Credits 15	Quarter Credits 16-17

*Assumes appropriate Math placement. If your placement suggests a different starting point your advisor will design a plan that fits your needs and helps you build a strong foundation for success.

**Any course from any of these General Education Requirements is fine. Speak to your advisor for some suggestions.

***Coursework of your choosing-this could be completing a minor, prerequisites for graduate school, or courses that you're interested in taking for some other reason. Necessary to reach 180 credits needed.

[Department Webpage](#)

[CWU DEGREE REQUIREMENTS](#)

[CWU Course Catalog](#)