



Mechanical Engineering Technology (MECH) Course of Study 2023-2024

Fall I				
Course ID	Course Name	T/B/G	Credits	Ck off
ENGL 1500	Composition I	G	3	
FYEX 1010	First Year Success Strategies	B	1	
MATH 1250	Algebra and Trigonometry	G	4	
MECH 1000	Engineering Graphics	B	3	
	*Technical Elective 1	T	2	
Total:			13	

Spring I				
Course ID	Course Name	T/B/G	Credits	Ck off
MECH 1100	Mechanical 3D Modeling	T	3	
MECH 1150	Tools, Measurement, and Layout	T	2	
PHYS 2010	Physics I	G	4	
	*English Elective	G	3	
	*Mathematics Elective	G	3	
Total:			15	

Summer I				
Course ID	Course Name	T/B/G	Credits	Ck off
Total:				

Curriculum Summary: General (G)/Basic (B) = 30 Hours

Technical (T) = 30 Hours

Total Curriculum Hours = 60

Fall II				
Course ID	Course Name	T/B/G	Credits	Ck off
CHEM 1010	Introduction to Chemistry	G	3	
MECH 1200	Manufacturing Processes	T	3	
MECH 2200	Statics	T	3	
MECH 2500	Hydraulics and Pneumatics	T	3	
	*Social and Behavioral Science Elective	G	3	
	*Technical Elective 2	T	2	
Total:			17	

Spring II				
Course ID	Course Name	T/B/G	Credits	Ck off
MECH 1300	Industrial Materials	T	3	
MECH 2300	Strength of Materials	T	3	
MECH 2550	Computer-Aided Machining	T	3	
MECH 2600	Machine Design	T	3	
	*Communication Elective	G	3	
Total:			15	

Summer II				
Course ID	Course Name	T/B/G	Credits	Ck off
Total:				

NOTE: Students must complete the computer literacy requirement in order to graduate which may be met through competency testing or completion of a program specific computer course. Refer to the degree audit and consult with the program advisor for the appropriate course(s) that meet the computer literacy requirement.

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Communication Electives

COMM 1220	Interpersonal Communication	3
COMM 2610	Public Speaking*	3

English Electives

ENGL 2500	Composition II*	3
ENGL 2800	Professional Writing	3

Mathematics Elective

MATH 1350	Pre-Calculus	5
MATH 1650	Statistics	3

Social and Behavioral Science Electives

ECON 1510	Microeconomics	3
ECON 1520	Macroeconomics	3
HIST 1100	Western Civilization to 1492	3
HIST 1110	Western Civilization from 1492 to Present	3
HIST 1200	U.S. History I	3
HIST 1210	U.S. History II	3
POLS 1010	American National Government*	3
PSYC 1010	Introduction to Psychology	3
SOCI 1010	Introduction to Sociology	3

MECH Technical Electives 1

EEET 1110	D.C. Circuit Analysis	3
ISET 1100	Industrial Electricity	3

MECH Technical Electives 2

ALTE 1800	Photovoltaic Energy Systems	2
ALTE 2200	Wind Power Systems	2
EEET 1130	Electronic Devices	4
EEET 1230	A.C. Circuit Analysis	4
ENVS 2850	OSHA 30 Hr. General Industry Safety and Health	2
ISET 2650	Mechanical Systems	4
ITCS 1030	Introduction to Programming Logic	3
ITCS 1500	Microcomputer Hardware	3
MECH 1800	VEX Robotics	3
MECH 2100	Engineering Economy*	3
MECH 2800	Robotics	3
MECH 2920	Field Experience I	2-4
ROBT 1010	Robotics Programming I	4
ROBT 1020	Robot Vision Systems	4
WELD 1700	Maintenance Welding	4

*CCP students must take the courses with an asterick to meet high school graduation requirements.