



Mechanical Engineering Technology (MECH) Course of Study 2020-2021

Fall I				
Course ID	Course Name	T/B/G	Credits	Ck off
EEET 1110	D.C. Circuit Analysis	T	4	
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	
Total:			15	

Spring I				
Course ID	Course Name	T/B/G	Credits	Ck off
MECH 1100	Mechanical 3D Modeling	T	3	
MECH 1200	Manufacturing Processes	T	3	
PHYS 2010	Physics I	G	4	
	*English Elective	G	3	
	*Mathematics Elective	G	3	
Total:			16	

Summer I				
Course ID	Course Name	T/B/G	Credits	Ck off
Total:			0	

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

Technical (T) = 32 Hours

Total Curriculum Hours = 62

Fall II				
Course ID	Course Name	T/B/G	Credits	Ck off
CHEM 1010	Introduction to Chemistry	G	3	
MECH 2000	Advanced Mechanical 3-D Modeling	T	3	
MECH 2200	Statics	T	3	
MECH 2500	Hydraulics and Pneumatics	T	3	
	*Social and Behavioral Science Elective	G	3	
	*Technical Elective	T	2	
Total:			17	

Spring II				
Course ID	Course Name	T/B/G	Credits	Ck off
MECH 2300	Strength of Materials	T	3	
MECH 2600	Machine Design	T	3	
MECH 2700	Project Management	T	3	
MECH 2900	Statistical Process Control	T	2	
	*Communication Elective	G	3	
Total:			14	

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.

Mechanical Engineering Technology (MECH) Course of Study 2020-2021

Page 2

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 & Behavioral Science Electives		
BUSM 1510	Microeconomics	3
BUSM 1520	Macroeconomics	3
GEOG 1710	World Regional Geography	3
HIST 1100	Western Civilization to 1492	3
HIST 1110	Western Civilization from 1942 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		
ALTE 1800	Solar Energy Systems	2
ALTE 2200	Wind Power Systems	2
CAMT 1000	Measurement and Layout	4
CAMT 2000	CNC Machining	4
CAMT 2500	Computer Aided Machining	3
EEET 1130	Electronic Devices	4
EEET 1230	A.C. Circuit Analysis	4
ENVS 2850	OSHA 30 Hour General Safety & Health	2
ISET 2650	Mechanical Systems	4
MECH 1500	Survey of Mechanical 3D Modeling	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 astrick to meet high school graduation requirements.