













Mechanical Engineering Technology (9440)


Associate of Applied Science Degree

This concentration emphasizes the design and analysis of mechanical elements.

Course	Title	Credit Hours
First Semester		
CADT 1100	Introduction to AutoCAD 	3
CIMN 1110	Machining Processes 	3
ENGL 1110 or ENGL 1111	English Composition I (A) ¹ or English Composition I (B)	3
ENGR 1000	Introduction to Engineering Technology	2
FYEX 1000	First Year Experience	1
MATH 1180	Technical Mathematics I	4
	Credit Hours	16
Second Semester		
ENGL 1121	English Composition II-Technical Focus	3
MATH 1280	Technical Mathematics II	4
MECT 1600	Geometric Dimensioning and Tolerancing 	2
MECT 2110	Engineering Mechanics I 	3
MECT 2370	Materials Technology 	3
PHYS 1100	Applied Physics Mechanics	3
	Credit Hours	18
Third Semester		
CADT 2100	Introduction to SolidWorks 	3
COMM 1050 or COMM 1150	Fundamentals of Public Speaking ² or Fundamentals of Interpersonal Communications	2
MECT 2210	Engineering Mechanics II 	3
MECT 2230	Strength of Materials 	3
PHYS 1200	Applied Physics Heat and Thermodynamics	3
Select course(s) from the Arts and Humanities Electives list		3
	Credit Hours	17
Fourth Semester		
CIMN 1160	Applied Electricity 	2
CIMN 2390	Fluid Power Technology 	3
MECT 2700	Mechanical Technology Design Capstone 	4
QENT 1200	Quality Concepts and Techniques 	2
Select course(s) from the Social and Behavioral Sciences Electives list		3
	Credit Hours	14
	Total Credit Hours	65

¹ English course selection is based on placement test results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

² Students may substitute either COMM 1000 Effective Public Speaking or COMM 1100 Effective Interpersonal Communications. One of these 3 credit courses may be required for students transferring to a four-year college.

 This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.

Electives

Course	Title	Credit Hours
Arts and Humanities		
ARTS 1120	Art Appreciation	3
ARTS 2220	Survey of Art I	3
ARTS 2230	Survey of Art II	3
ENGL 2250	Survey of American Literature I	3
ENGL 2260	Survey of American Literature II	3
ENGL 2280	Survey of British Literature I	3
ENGL 2290	Survey of British Literature II	3
HUMX 1100	Introduction to Humanities	3
HUMX 1200	The American Experience in the Arts	3
MUSC 1200	Music Appreciation	3
MUSC 1215	World Music	3
MUSC 1800	Popular Music: Rock, Jazz, Country, and Hip-Hop	3
MUSC 2200	Music History and Literature I	3
MUSC 2250	Music History and Literature II	3
PHIL 1500	Introduction to Philosophy	3
PHIL 2000	Comparative Religion	3
PHOT 1000	History of Photography	3
Social and Behavioral Sciences		
ANTH 1160	Introduction to Cultural Anthropology	3
ECON 1150	Basic Economics	3
ECON 2500	Principles of Macroeconomics	3
ECON 2600	Principles of Microeconomics	3
GEOG 1500	Introduction to Geography	3
GEOG 1600	World Regional Geography	3
GEOG 2500	World Cultural Geography	3
HIST 1150	Western Civilization I: Antiquity Through the Reformation	3
HIST 1250	Western Civilization II: Age of Revolution Through the Present	3
HIST 2150	U.S. History: Colonization Through Reconstruction	3
HIST 2250	U.S. History: Reconstruction to the Present	3
POLS 1300	U.S. National Government	3
POLS 2500	Modern Political Ideologies	3
PSYC 1500	Introduction to Psychology	3
SOCY 1150	Principles of Sociology	3