

Mechanical Engineering Technology
Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Computer Fundamentals
Applications of Engineering Technology
Fundamentals of Drafting
Drafting 2D Views and Dimensioning
Engineering Technology Projects I
Civil Drafting Fundamentals
CAD Fundamentals
English Composition I OR English Composition I w/Review (Requires 2 hours in the Writing Lab per week)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

OSHA 10
Introduction to UAS Flight
Topographic Triangulation
Applications of Spatial Reasoning in Engineering
Mechanical CAD/CAM Drafting
CAD Drafting Models
Civil CAD Fundamentals
Basic Surveying with Mathematics
Workplace Ethics (Required, or Ethics, PSY, SOC)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
College Algebra OR College Algebra w/Review (Required)
Advanced Mechanical Drafting
Manual Machining Operations
Mechanical Engineering Technology Projects II
Additive Manufacturing Design & Operations

SOPHOMORE: SECOND SEMESTER

Course Name

Mechanical Design Capstone
Advanced Manufacturing Processes
MEC Occupational Work Experience &/or Special Projects
MEC Special Projects