

MECHANICAL ENGINEERING TECHNOLOGY DEGREE

Program Code: A40320

Course	Title	Hours
First Year		
Fall		
ACA-122	College Transfer Success	1
MEC-111 or MAC-141	Machine Processes I or Machining Applications I	3-4
CIS-110	Introduction to Computers	3
COM-110 or COM-120 or COM-231	Introduction to Communication or Introduction to Interpersonal Communication or Public Speaking	3
MAC-121 or MEC-128	Introduction to CNC or CNC Machining Processes	2-4
DFT-151	CAD I	3
Hours		15-18
Spring		
MAT-171	Precalculus Algebra	4
EGR-150	Introduction to Engineering	2
DFT-154	Introduction to Solid Modeling	3
ENG-111	Writing and Inquiry	3
HYD-110	Hydraulics/Pneumatics I	3
ISC-112	Industrial Safety	2
Hours		17
Second Year		
Fall		
MEC-145	Manufacturing Materials I	3
MEC-231	Computer-Aided Manufacturing I	3
ELC-128	Introduction to Programmable Logic Controller	3
TDP-110	Introduction to Three Dimensional Printing	3
PHY-151	College Physics I	4
Hours		16
Spring		
Humanities/Fine Arts Elective ¹		3
EGR-250	Statics/Strength of Mater	5
Social/Behavioral Science Elective ¹		3
EGR-285	Design Project	2
Major Elective Course ¹		4
Hours		17
Total Hours		65-68

Available Major Electives

Code	Title	Hours
CSC-120	Computing Fundamentals I	4
ELC-131	Circuit Analysis I	4
BPR-115	Electrical/Fluid Power Diagrams	2
CSC-134 or CSC-151	C++ Programming JAVA Programming	3
ELC-111 or ELC-117	Introduction to Electricity Motors and Controls	3
ATR-112	Introduction to Automation	3
MEC-232	Computer-Aided Manufacturing II	3
WLD-110	Cutting Processes	2
WLD-112	Basic Welding Processes	2

Humanities/Fine Arts Electives

Code	Title	Hours
HUM-110	Technology and Society	3
HUM-115	Critical Thinking	3
PHI-240	Introduction to Ethics	3

Social/Behavioral Science Electives

Code	Title	Hours
ECO-251	Principles of Microeconomics	3
PSY-118	Interpersonal Psychology	3
PSY-150	General Psychology	3
SOC-210	Introduction to Sociology	3

¹ See List