

# MECHATRONICS ENGINEERING TECHNOLOGY

Enrollment into this program will open for applications starting Spring 2023.

## Bachelor of Applied Science

Mechatronics Engineering Technology	45
Foundation	45
General Education	36-37
<b>Total Degree Credits</b>	<b>126-127</b>

### Mechatronics Engineering Technology Major Courses

CAD 201	Fundamentals of Graphical Communication	3
CIS 185	Introduction to Programming	3
MATH 147	Applied Calculus II	3
MET 320	Integrated Engineering Sciences	2
MET 320L	Integrated Engineering Sciences Lab	1
MET 330	Input and Output System Application	2
MET 330L	Input and Output System Application Lab	1
MET 340	Workcell Design, Ergonomics and Efficiency	2
MET 340L	Workcell Design, Ergonomics, and Efficiency Lab	1
MET 410	Material Properties & Mechanics	3
MET 420	Robotics Applications	2
MET 420L	Robotics Applications Lab	1
MET 430	System Programming and Process Control	2
MET 430L	System Programming and Process Control Lab	1
MET 450	Mechatronic System Design	2
MET 450L	Mechatronic System Design Lab	1
MGMT 327	Reliability of Manufacturing Processes	3
MGMT 381	Project Management Fundamentals	3
MGMT 437	Quality Practices & Measurement	3
MET 397/497	Cooperative Education/Internship	6
	<b>Total Credits</b>	<b>45</b>

### Foundation Courses

Courses Transferred from Approved Institution	45
<b>Total Credits</b>	<b>45</b>

### General Education Requirements

<i>Arts &amp; Humanities</i>		
General Education Matrix (Arts & Humanities)		3
General Education Matrix (Arts & Humanities)		3
<i>Business, Math, Science &amp; Technology</i>		
CIS 164	Networking Fundamentals I	4
MATH 103	College Algebra	3-4
MATH 146	Applied Calculus I	3
PHYS 211	College Physics I	4
PHYS 211L	College Physics I Lab	1
<i>Written Communications</i>		
ENGL 110	College Composition I (Required)	3
ENGL 125	Introduction to Professional Writing	3
<i>Oral Communications</i>		
COMM 110	Fundamentals of Public Speaking	3
<i>Social &amp; Behavioral Sciences</i>		

General Education Matrix (Social & Behavioral Sciences)	3
General Education Matrix (Social & Behavioral Sciences)	3
Total Credits	36-37

College Degree Requirements

General Education Requirements Matrix