



Certificate 4261 Mechatronics

31 Credits

Effective Fall 2020

This is an overview of the program. Any suggested course sequencing is meant to serve as a guideline for your semester planning. Students are expected to see your assigned advisor to develop and review their individual educational plans. The scheduling of courses, program sequencing and curriculum are subject to change.

Developmental Courses (as determined through College Placement Testing)* and Prerequisites:

* Zero level courses must be completed with a C grade or higher.

<input type="checkbox"/>	ESL classes	<input type="checkbox"/>	Engl 050				
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051				
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057				
<input type="checkbox"/>	Engl 007						

*See counselor/advisor to discuss this course or options to self-remediate and successfully place into higher- or college-level course.

Required Program Courses

CIS 105	3cr	Intro to Software for Business	Prerequisites: ENGL 057 or ENGL 051 & ENGL 003
ELOC 153	4cr	Fundamentals of Electricity	Prerequisites: None
GTEC 101	3cr	Safety in the Workplace	Prerequisites: None
IA 101	2cr	Intro to Automation	Prerequisites: None
IA 107*	1cr	Shop Measurement & Calculations	Prerequisites: None
IA 201	4cr	Motors and Controls I	Prerequisites: None
IA 208	3cr	PLC's and Automation	Prerequisites: ELOC 153
IA 221	3cr	Sensor Technology	Prerequisites: ELOC 153
IMT 108	4cr	Power Transmission	Prerequisites: None
IMT 110	4cr	Fluid Power	Prerequisites: None

Advising Notes

Mechatronics courses are offered day and evening. The entire 4261 Certificate can be completed at the Harrisburg and Gettysburg Campus locations. Program courses are not offered every semester. Some courses only offered Fall or Spring. Please check with a full time Mechatronics instructor or advisor for up-coming term course offerings.

*IA 107 can be replaced with a higher level Math course.

Recommended Sequence For Full-Time Students

Part-time students can complete this program by taking one or more courses each semester.

Semester 1 - Fall		Semester 2 - Spring		
ELOC 153	4	IA 201	4	
CIS 105	3	IA 208	3	
GTEC 101	3	IA 221	3	
IMT 108	4	IMT 110	4	
IA 101	2	IA 107	1	

Counselor/Advisor Contact Information by Campus:

<u>Gettysburg</u>	<u>Harrisburg</u>	<u>Lancaster</u>	<u>Lebanon</u>	<u>York</u>
Student Services	Counseling and Advising	Counseling and Advising	Receptionist Desk	Counseling and Advising
Lobby	Cooper 219	221 Main	Lobby	Leader Suite 104
717-337-3855	717-780-2498	(717) 358-2988	717-270-4222	717-801-3213