



**Certificate 4261 Mechatronics**  
**Effective Fall 2018**

**30 Credits**

*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"/>	Math 006		
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051	<input type="checkbox"/>	Math 090		
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057	<input type="checkbox"/>	Math 008		
<input type="checkbox"/>	Engl 007			<input type="checkbox"/>	Math 022		

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

**Required Program Courses**

<b>ENGL 101</b>	3cr	College Composition I	Prerequisites: ENGL 057 or ENGL 051 & Prerequisite or Corequisite: ENGL 003
<b>ELOC 153</b>	4cr	Fundamentals of Electricity	Prerequisites: None
<b>GTEC 101</b>	3cr	Safety in the Workplace	Prerequisites: None
<b>IA 201</b>	4cr	Motors and Controls I	Prerequisites: None
<b>IA 208</b>	2cr	PLC's and Automation	Prerequisites: ELOC 153
<b>IA 221</b>	3cr	Sensor Technology	Prerequisites: ELOC 153
<b>IMT 108</b>	4cr	Power Transmission	Prerequisites: None
<b>IMT 110</b>	4cr	Fluid Power	Prerequisites: None
<b>MATH 111</b>	3cr	Principals of Mathematics* *(may be replaced with higher math)	Prerequisites: MATH 022

**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.

**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
ENGL 101	3	IA 208	2
GTEC 101	3	IA 221	3
IMT 108	4	IMT 110	4
MATH 111	3		

**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