



# Certificate #4310 Electronic Technology

32 Credits

Effective Fall 2013

*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"/>	Math 033	<input type="checkbox"/>	FS 100/103
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051	<input type="checkbox"/>	Math 090	<input type="checkbox"/>	Math 044	<input type="checkbox"/>	
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057	<input type="checkbox"/>	Math 008	<input type="checkbox"/>	Math 045	<input type="checkbox"/>	
<input type="checkbox"/>	Engl 007			<input type="checkbox"/>	Math 022	<input type="checkbox"/>	Math 055	<input type="checkbox"/>	

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

## Required Program Courses (32 credits)

ELEC 100	1 cr	Fundamentals Electricity & Electronics	Pre: MATH 033 with C or higher; Co-req: MATH 044 and 055 (or MATH 051)
ELEC 101	1 cr	Equipment Utilization	Co-req: ELEC 100 and ENGR 102
ELEC 106	4 crs	Fundamental of Electronics	Pre: ELEC 111
ELEC 108	3 crs	Applied Digital Electronics	Pre: ELEC 100 with grade of C or higher
ELEC 111	4 crs	AC/DC Circuits I	Pre: ELEC 101; Co-req: MATH 103
ELEC 125	3 crs	Intro to PC Technology	Pre: Familiarity with word processing and MS Windows Operating Systems
ELEC 126 (or ELEC 211)	4 crs	Installing & Troubleshooting PC's (or AC/DC Circuits II)	Pre: ENGR 208; or ELEC 125; or, CIS 127 and 210 with grades of C or higher (Pre: ELEC 111; Co-req: MATH 104)
ELEC 213 (or ELEC 203)	4 crs	Digital Electronics (or Electronic Circuit Design)	Pre: ELEC 108; Co-req: MATH 103 (Pre: ELEC 106 and 211)
ENGR 102	2 crs	Engr. & Engineering-Tech Orientation	Pre: Eligibility for enrolment into ENGL 101 (meets 1-cr FYS requirement)
MATH 103	3 crs	College Algebra	Pre: Placement or MATH 051 (or Math033-044-055) with grade of C or higher
MATH 104	3 crs	Trigonometry	Pre: Placement or MATH 051 (or Math033-044-055) with grade of C or higher

## Recommended Course Sequence

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
ELEC 100	1	ELEC 111	4	ELEC 106	4	ELEC 213 or 203	4
ELEC 101	1	ELEC 126 or 211	4	ELEC 108	3		4
ELEC 125	3	MATH 104	3		7		
ENGR 102 (FYS)	2		11				
MATH 103	3						
	10						

## Counselor/Advisor Contact Information by Campus:

Gettysburg	Harrisburg	Lancaster	Lebanon	York
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

Program Faculty Coordinator: Bill Forney [wforney@hacc.edu](mailto:wforney@hacc.edu) (717-736-4202 Ext. 214202)