



AS 4580 Electronic Engineering Technology

Effective Fall 2019

62 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"/>	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"/>	Engl 003	<input type="checkbox"/>	Engl 057	<input type="checkbox"/>	Math 008	<input type="checkbox"/>	Math 045		
<input type="checkbox"/>	Engl 007			<input type="checkbox"/>	Math 022	<input type="checkbox"/>	Math 055		

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

General Education Courses (19 credits)		
ENGL 101	3 crs	Pre-req: Placement thru testing, or ENGL 051 & ENGL 003 with C grades or higher
ENGL 104	3 crs	Pre-req: ENGL 101 & ENGL 003 with C grades or higher
COMM 101	3 crs	Pre-req: Placement thru testing, or ENGL 051 & ENGL 003 with C grades or higher
Humanities and Arts Elective	3 crs	
Social and Behavioral Sciences	3 crs	
Science Elective (with Lab)	3 crs	PHYS 201 recommended (Pre: MATH 104 or equivalent)
Any Wellness Course	1 cr	See HACC catalog for a list of approved Wellness courses
First Year Seminar		ENGR102 (meets 1-cr FYS) or see HACC Catalog for a list of approved courses (unless exempted by examination-see http://www.hacc.edu/NewStudents/PlacementTesting/index.cfm).

Required Program Courses (43 credits)			
CAD 154	3 crs	Computer-Aided Drafting & Design	
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 126	4 crs	Installing & Troubleshooting PC's	Pre: ENGR208; <u>or</u> ELEC 125; <u>or</u> , CIS 127 <u>and</u> 210 with grades of C or higher
ELEC 203	4 crs	Electronic Circuit Design	Pre: ELEC 106 and ELEC 211
ELEC 211	4 crs	AC/DC Circuits II	Pre: ELEC 111; Co-req: MATH 104
ELEC 213	4 crs	Digital Electronics	Pre: ELEC 108; Co-req: MATH 103
ENGR 102 (FYS)	2 crs	Engr. & Engineering-Tech Orientation	(meets 1-cr FYS requirement)
ENGR 208	3 crs	Microcontrollers and PLC's	ELEC 100 <u>or</u> ELOC 153 with a grade of C or higher
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 Sequence for Full-Time Students									
Part-time students can complete this program by taking one or more courses each semester.									
Fall Semester I		Spring Semester I		Summer		Fall Semester II		Spring Semester II	
CAD 154	3	ELEC 111	4	ELEC 211	4	ELEC 106	4	ELEC 203	4
ELEC 100	1	ENGL 104	3	Social & Beh Sciences	3	ELEC 108	3	ELEC 213	4
ELEC 101	1	ENGR 208	3		7	ELEC 126	4	COMM 101	3
ENGL101	3	MATH 104	3			Science w/ Lab	3	Humanities & Arts	3
ENGR 102 (FYS)	2		13				14	Wellness	1
MATH 103	3								15
	13								

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 (736-4202 Ext 214202, Midtown II Room 301C)