



Certificate #4581 Structural Engineering Technology

30 Credits

Effective Fall 2018

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 (30 credits)

CAD 154	3 crs	Computer-Aided Drafting & Design	
CVTE 103	3 crs	Surveying I	
ENGR 102	2 crs	Engr. & Engineering-Tech Orientation	Pre: Eligibility for enrolment into ENGL 101 (meets 1-cr FYS requirement)
GTEC 104	3 crs	Engineering Materials & Processes	
GTEC 201	3 crs	Statics	Pre: MATH 103 and 104 with grades of C or higher
SET 201	3 crs	Intro to Structural Engineering Tech	Pre: ARCH 130 <u>and</u> ENGR 102 with grades of C or higher; or, permission of the Instructor
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
Program Electives	7 crs	Program Electives (Note # of credits and prerequisites for listed courses. Transfer electives vary with specialized fields and transfer institutions)	Select from the following: ACCT 101; ARCH 253; BCT 215; CAD 115, 164; CPS 113, 115, 135; CHEM 101; CVTE 120, 208; ELEC 100, 101, 108, 125, 126; ENGR 291; IA 205, 208; MDRF 101, 103; MATH 202, 119, 121; MGMT 201; MDES 201, 206; PHYS 201, 202; SET 202

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 I			
CAD 154	3	GTEC 104	3	CVTE 103	3		
ENGR 102 (FYS)	2	GTEC 201	3	Total credits	3		
MATH 103	3	Program Electives	7				
MATH 104	3	Total credits	13				
SET 201	3						
Total credits	14						

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 Coordinators:
Forrest Lysinger frlysing@hacc.edu (717-736-4223) or Kim Ketelsleger kaketels@hacc.edu (717-736-4224)