



AS 3076 PHYSICAL SCIENCE
Effective Fall 2018

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"/>	Chem 100
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051	<input type="checkbox"/>	Math 090	<input type="checkbox"/>	Math 044	<input type="checkbox"/>	Math 103/104
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057	<input type="checkbox"/>	Math 008	<input type="checkbox"/>	Math 045	<input type="checkbox"/>	Math 119
<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		Prerequisites
ENGL 101	3cr	Eligibility for enrollment into ENGL 101
ENGL 102 or ENGL 104	3cr	Completion of ENGL 101 w/grade of C or higher
COMM 101	3cr	Eligibility for enrollment into ENGL 101
HUM & ARTS ELECTIVE	3cr	ART 181; ART 182; ENGL 206; Foreign Language; HUM 101; HUM 115; HUM 201; MUS 104; PHIL 200; THTR 101 (Select one from this list)
SOCIAL & BEHAVIORAL SCIENCES ELECTIVE	3cr	See approved list of Social & Behavioral Science electives
PE/WELLNESS	1cr	See HACC catalog for a list of Wellness courses
Transfer Electives	6cr	Please see the HACC catalog. Students are to select two courses that transfer to their intended four-year institution.
FIRST YEAR SEMINAR (FYS – REC. SCI 100)	1cr	One credit hour in FYS coursework unless exempted by examination. See HACC catalog for a list of approved courses. (Recommend SCI 100)

Required Program Courses			Prerequisites
CHEM 101	4cr	General Inorganic Chemistry I	MATH 103, eligibility for enrollment into ENGL 101, and successful completion of (1) high school chemistry or (2) CHEM 100 w/a grade of C or higher, or, (3), Toledo Chemistry Placement Exam (minimum score – 26)
CHEM 102	4cr	General Inorganic Chemistry II	CHEM 101 w/a grade of C or higher
MATH 121	4cr	Calculus	MATH 119 or equivalent w/a grade of C or higher
MATH 122	4cr	Calculus II	MATH 121 or equivalent w/a grade of C or higher
PHYS 211	4cr	Physics for Engineers & Scientists I	MATH 121 or equivalent w/a grade of C or higher
PHYS 212	4cr	Physics for Engineers & Scientists II	MATH 122 and PHYS 211 w/a grade of C or higher
*GENERAL PHYSICAL SCIENCES TRACK (Option #1)	15 Cr	SELECT 15 cr. from the following: CHEM 203, CHEM 204, CPS 121, CPS 135, CPS 161, CPS 162, GEOL 101, GEOL 102, GEOL 201, GIS 141, GIS 165, GIS 205, MATH 220, MATH 221	See college catalog based on course selection; discuss prerequisites w/advisor
*GEOLOGY TRACK (Option #2)	15 Cr	GEOL 101, GEOL 102, GEOL 201, GIS 141	Discuss prerequisites w/advisor

Recommended Sequence For Full-Time Students – GENERAL PHYSICAL SCIENCE TRACK							
Part-time students can complete this program by taking one or more courses each semester.							
Semester 1		Semester 2		Semester 3		Semester 4	
ENGL 101	3	ENGL 102 or ENGL 104	3	COMM 101	3	PHYS 212	4
FYS Elective (rec. SCI 100)	1	CHEM 102	4	PHYS 211	4	Physical Science Electives	6
MATH 121	4	HUM & ARTS Elective	3	Physical Science Electives	6	Social/Behavioral Science Elective	3
CHEM 101	4	MATH 122	4	Transfer Elective	3	PE/Wellness	1
Transfer Elective	3	Physical Science Track Elective	3				

Recommended Sequence For Full-Time Students – GEOLOGY TRACK							
Part-time students can complete this program by taking one or more courses each semester.							
Semester 1		Semester 2		Semester 3		Semester 4	
ENGL 101	3	ENGL 102 or 104	3	COMM 101	3	GEOL 201	4
FYS Elective (rec. SCI 100)	1	CHEM 102	4	GEOL 102	4	PHYS 212	4
MATH 121	4	GEOL 101	4	GIS 141	3	Social/Behavioral Science Elective	3
CHEM 101	4	MATH 122	4	HUM & ARTS Elective	3	Transfer Elective	3
Transfer Elective	3			PHYS 211	4	PE/Wellness	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