



AS # 3026 CHEMISTRY
EFFECTIVE FALL 2020

61 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"/>	BIOL 111	<input type="checkbox"/>	
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051	<input type="checkbox"/>	Math 090	<input type="checkbox"/>	CHEM 100	<input type="checkbox"/>	
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057	<input type="checkbox"/>	Math 091	<input type="checkbox"/>	Math 104	<input type="checkbox"/>	
<input type="checkbox"/>	Engl 007			<input type="checkbox"/>		<input type="checkbox"/>	Math 116	<input type="checkbox"/>	

*See 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 as you search for classes via your MyHACC account or in the College Catalog. Consult with your advisor.
PE/WELLNESS	1cr	See HACC catalog for a list of Wellness courses
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 or MATH 116, eligibility for enrollment into ENGL 101, and successful completion of (1) high school academic 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
CHEM 203	4cr	Organic Chemistry I	CHEM 102 w/a grade of C or higher
CHEM 204	4cr	Organic Chemistry II	CHEM 203 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
TRANSFER ELECTIVES	12cr	*Suggested transfer courses (12cr.) include CPS 113, CPS 115, CPS 121 or CPS 135; BIOL 102, BIOL 206, BIOL 212, BIOL 215, BIOL 221 or 250; Any 100 level or higher. *Students to select courses based upon their intended transfer school	See college catalog based on course selection

Advising Notes

A grade of C or higher is required in the following: CHEM, MATH, and PHYS.

Recommended Sequence For Full-Time Students

Part-time students can complete this program by taking one or more courses each semester.

Semester 1		Semester 2		Semester 3		Semester 4	
COMM 101	3	CHEM 102	4	CHEM 203	4	CHEM 204	4
ENGL 101	3	ENGL 102 or 104	3	PHYS 211	4	PHYS 212	4
FYS Elective (SCI 100)	1	MATH 121	4	MATH 122	4	Transfer Elective	4
HUM & ARTS Elective	3	Transfer Elective	4	Social & Behavioral Sciences Elective	3	Transfer Elective	4
CHEM 101	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
717-780-2498	717-780-2498	717-780-2498	717-780-2498	717-780-2498