

NEW ACS Track				
Pre-Professional Chemistry Focus – BS Chemistry (pre-calc start)				
YEAR 1				
TERM 1			TERM 2	
Course	Credits		Course	Credits
ENGL 1101	3		ENGL 1102	3
MATH 1113	4		MATH 1634	4
CHEM 1211/1211L	4		CHEM 1212/1212L	4
BIOL 1107/1107L	4		BIOL 1108/1108L	4
			B2	1
SEMESTER TOTAL	15		SEMESTER TOTAL	16
Milestones			Milestones	
<ul style="list-style-type: none"> Complete ENGL 1101 C or better Complete MATH 1113 and CHEM 1211 B or better 			<ul style="list-style-type: none"> Complete ENGL 1102 C or better Complete Chemistry I and II, MATH 1634 B or better 	
YEAR 2				
TERM 1			TERM 2	
Course	Credits		Course	Credits
CORE B1 or C or E	3		CHEM 3422/3422L	4
CHEM 2411/2411L	4		CHEM 2130	1
CHEM 3310K*	4		MATH 2644	4
MATH 2063 or CHEM/BIOL 3000/4000 ELECTIVE	3		BIOL 3XXX OR BIOL 4XXX	3
			CORE B1 or C or E	3
SEMESTER TOTAL	14		SEMESTER TOTAL	15
Milestones			Milestones	
<ul style="list-style-type: none"> Complete science and math courses B or better MATH 2063 is required for some programs * CHEM 3310K may be taken in Year 2 summer 			<ul style="list-style-type: none"> Complete science and math courses B or better 	
YEAR 3				
TERM 1			TERM 2	
Course	Credits		Course	Credits
PHYS 2211/2211L	4		CHEM 4330K	4
CHEM 4711	3		PHYS 2212/2212L	4
CHEM 4083	1		CHEM 4083	1
BIOL 3XXX OR BIOL 4XXX	3		CORE B1 or C or E	3
CORE B1 or C or E	3		BIOL 3XXX OR BIOL 4XXX	3
SEMESTER TOTAL	14		SEMESTER TOTAL	15
Milestones			Milestones	
<ul style="list-style-type: none"> Complete science and math courses B or better 			<ul style="list-style-type: none"> Complete science and math courses B or better Complete two semesters CHEM 4083 	

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YEAR 4			
TERM 1		TERM 2	
Course	Credits	Course	Credits
CHEM 35XX	3	CHEM 4083	1
CHEM 3550L	2	CHEM 4913L	2
CHEM 4083	1	CHEM 4084	1
CHEM 3000/4000 ELECTIVE	3	CHEM 35XX	3
CORE B1 or C or E	3	CHEM 4610	3
CORE B1 or C or E	3	CHEM 3000/4000 ELECTIVE	3
		CORE B1 or C or E	3
SEMESTER TOTAL	15	SEMESTER TOTAL	16
Milestones		Milestones	
<ul style="list-style-type: none"> Complete all CHEM courses B or better 		<ul style="list-style-type: none"> Complete all CHEM courses B or better Complete 4 credit hours of research (CHEM 4083) Complete thesis and oral presentation (CHEM 4084) 	

Recommended Biology Courses:

Cell and Molecular Biology (BIOL 3134), Human Physiology (BIOL 3513), Vertebrate Histology (BIOL 3526), Genetics and Medical Genetics (BIOL 3621), Essentials of Immunology (BIOL 4727), and Neuroscience (BIOL 4734).

Physical Chemistry Courses:

Anywhere you see 35XX above, students can choose between 3521, 3522, and 3523 with advisor approval/advice.

For Chemistry Electives:

Students are required to choose from: Advanced Organic, Spectroscopy, Materials Chemistry, Green Chemistry, a Physical Chemistry 35XX course, and Physical Biochemistry.

All Other Electives:

Math and Science Electives are preferred. Students should work with their advisor to choose electives that will support and complement their life goals.

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