

**2016-2017 Program Map – BS Chemistry (pre-calc start)
ACS APPLIED CHEMISTRY Track**

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
Core B1 or C or E	3	Core B1 or C or E	3
CORE B2	1	ELECTIVE	2
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
MATH 2644	4	CHEM 3422/3422L	4
CHEM 2411/2411L	4	PHYS 2212/2212L	4
CHEM 2130	1	CS1300 OR MATH 2654*	4
PHYS 2211/2211L	4	MATH 2853 OR MATH 3303*	3
CORE B1 or C or E	3		
SEMESTER TOTAL	16	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 Organic Chemistry I and II, Physics I and II and math courses B or better • * courses can be taken over summer and recommended completion by the end of Year 2 	
YEAR 3			
TERM 1		TERM 2	
Course	Credits	Course	Credits
CHEM 3310K*	4	CHEM 4330K	4
CHEM 3521	3	CHEM 3522	3
CHEM 4083	1	CHEM 4083	1
CORE B1 or C or E	3	CORE B1 or C or E	3
ELECTIVE	3	CHEM 3000/4000 Elective	3
SEMESTER TOTAL	14	SEMESTER TOTAL	14
Milestones		Milestones	
<ul style="list-style-type: none"> • Complete science and math courses B or better • * CHEM 3310K may be taken in Year 2 summer 		<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 4611	3	CHEM 4612	3
CHEM 3550L	2	CHEM 4913L	2
CHEM 4711	3	CHEM 4084	1
CHEM 4083	1	CHEM 4083	1
CORE B1 or C or E	3	ELECTIVE	3
CHEM 3000/4000 ELECTIVE	3	CORE B1 or C or E	3
ELECTIVE	2		
SEMESTER TOTAL	17	SEMESTER TOTAL	13
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) 	

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