

Central Connecticut State University		Address:	Name:
1615 Stanley Street New Britain, Connecticut 06053-4010			ID#
			email
Effective Spring 2016		BS in Biochemistry--General Track	
		Departments of Biomolecular Sciences and Chemistry & Biochemistry	

General Education		Major Requirements (55-57 cr)		Graduation Requirements	
Study Area I - Arts and Humanities (9)		Core Requirements (38 cr)		Six credit designated "international"	
	Literature 3	BMS 102 & 103	Intro to BMS w/Lab 4	met:	
		BMS 201	Principles of Cell & Mol Biol 4	First Year Experience requirement	
		BMS 190 & 290	Intro to Research I & II 1	met.	
Study Area II - Social Sciences (9)		BMS 390 or CHEM 238	Independent Research 1		
	HIST 3	BMS 491 or CHEM 438	Advanced Ind Research 1		
		CHEM 161/162	General Chemistry 4	Electives (to complete the required 122)	
		CHEM200/21	Foundations of Analytical 4		
Study Area III - Behavioral Sciences (6)		CHEM 210/211	Organic Chemistry I 4		
		CHEM 212/213	Organic Chemistry II 4		
		CHEM260	Foundations of Inorganic 3		
Study Area IV - Natural Sciences(6-7)		CHEM 316	Spec. I.D. 3		
X	PHYS 121 or 125 4	CHEM 320	Biophysical Chemistry 3		
X	PHYS 122 or 126 4	CHEM 332	Chemical Literature 1		
Skill Area I - Communication Skills (6)		CHEM 432	Chemistry Seminar 1		
	ENG 110 3	Directed Electives* (10-12 cr)			
		BMS 306, 307, 311, or 316	4		
Skill Area II - Mathematical (6)		See below*	3 to 4		
X	MATH 152 4	See below*	3 to 4		
		* BMS 306, 307, 311, 316, 415, 490, 495, 562, 570; or CHEM 456			
Skill Area III - Foreign Language		Biochemistry Capstone (7 cr)			
	3 sequential years of one foreign language at the high school level	BMS 496or CHEM 354	3		
	passed the foreign language exam.	CHEM 455	Biocehmistry Lab 1		
	completed 112 or 114 foreign language courses	CHEM 458	Advanced Biochemistry 3		
	completed above 112 or 114 foreign language course demonstration of native proficiency in a language other than English	Portfolio Requirement			
Skill Area IV - Univ. Requirements (2-3)		met:			
	PE 144 Fitness/ Wellness 2	Related Requirements			
		MATH 152	Calc I 4		
		PHYS 121 or 125	4		
		PHYS 122 or 126	4		

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	Fall		Spring	
Year One ^a	CHEM 161/ 162 BMS 102/ 103 BMS 190 ENG 110 MATH 119	4 4 0.5 3 4 15.5	CHEM 200/ 201 BMS 201 BMS 290 MATH 152 GEN ED	4 4 0.5 4 3 15.5
Year Two	CHEM 210/ 211 PHYS 121 OR 125 BMS Elective GEN ED	4 4 4 3 15	CHEM 212/ 213 PHYS 122 OR 126 BMS Elective CHEM 260	4 4 4 3 15
Year Three ^b	CHEM Electives CHEM 316 CHEM 320 GEN ED GEN ED	3 3 3 3 3 15	BMS Elective BMS 390 OR CHEM 238 CHEM 332 ^c PE 144 GEN ED GEN ED	3-4 1 1 2 3 3 15-16
Year Four ^b	BMS 491 or CHEM 438 BMS 496 OR CHEM 354 BMS Elective GEN ED Electives	1 3 3-4 3 5-6 15-17	CHEM 432 CHEM 455 CHEM 458 GEN ED GEN ED Electives	1 1 3 3 3 3 15

a Students who do not place into MATH 119 will push their MATH classes back by one semester, necessitating an adjustment to the gen ed schedule.

b Some CHEM classes are cycled, meaning they are offered once every four semesters. Consult with your advisor to ensure you get classes in the proper cycle.

c Students must be enrolled in or have taken BMS390 or CHEM 238 in order to meet the pre/co-requisite for CHEM 332.