

Bachelor of Science in Chemistry 2016-2018 Catalog

Student: _____

ID#: _____

Advisor: _____

DATE: ____/____/____



Credit Hour Breakdown	
Hours completed	
Hours in progress	
Core hours needed	
Major hours needed	
(Minor hours needed)	
(Other hours needed)	
Elective hours needed	
TOTAL HOURS (126+)	

Overall Requirements to Graduate

- 126+ semester hours
- Completion of core curriculum
- Completion of a major
- 36 upper division credit hours
- GPA above 2.0
- Major GPA above 2.0
- Minor/Program complete (optional)

Core Curriculum (46 hours)			Complete	Needed
Theology (9 credit hours) Must take in order. (Pre-req: Phil 1311 or 1315/3315)		Students with 30-59 transfer hrs: 6-9 hours THEO 6-9 hours PHIL 3 hours Synthesis <i>(18 hours total)</i>		
<input type="checkbox"/> THEO 1301/3301 Intro to Sacred Scriptures <input type="checkbox"/> THEO 2301/3311 Teachings of the Catholic Church <input type="checkbox"/> THEO 3349 Christ and the Moral Life (Phil 2314 or 2316/3316)				
Philosophy (9 credit hours) Choose one sequence:		Students with 60+ transfer hrs: 6 hours THEO 6 hours PHIL NO synthesis <i>(12 hours total)</i>		
<u>Systematic Sequence (must take in order)</u> <input type="checkbox"/> PHIL 1311 Philosophy of the Human Person <input type="checkbox"/> PHIL 2314 Ethics <input type="checkbox"/> PHIL 3313 Metaphysics	<u>Historical Sequence (must take in order)</u> <input type="checkbox"/> PHIL 1315/3315 Ancient Philosophy <input type="checkbox"/> PHIL 2316/3316 Medieval Philosophy <input type="checkbox"/> PHIL 3317 – Modern Philosophy			
Synthesis Course (3 credit Hours)				
Choose one synthesis course from the Synthesis Course List.				
English (9 credit hours)* Must take in order.				
<input type="checkbox"/> ENGL 1341 The Classical Tradition: Literature & Composition I <input type="checkbox"/> ENGL 1342 The Middle Ages: Literature & Composition II <input type="checkbox"/> ENGL 2312 The Modern World: Literature & Composition III		*Students with transfer credit: 3 transfer credits: <i>Take 1341/1342 (left)</i> 6 transfer credits: <i>Take ENGL 3312 (below)</i> <input type="checkbox"/> ENGL 3312 <i>Perspectives in World Lit.</i>		
History (6 credit hours) Choose one pair of courses:				
<u>World History</u> <input type="checkbox"/> HIST 1335 World Community I <input type="checkbox"/> HIST 1336 World Community II	<u>U.S. History</u> <input type="checkbox"/> HIST 2333 U.S. History to 1877 <input type="checkbox"/> HIST 2334 U.S. History since 1877			
Social and Behavioral Sciences (6 credit hours) Choose one option:				
<u>Social and Behavioral Sciences Option</u> <input type="checkbox"/> Choose two courses from the Social and Behavioral Sciences Core course list.	<u>Social and Behavioral Sciences + Oral Communication Option</u> <input type="checkbox"/> Choose one course from the Social & Behavioral Sciences Core course list. <input type="checkbox"/> Choose one course from the Communication Core Course list.			
Natural Sciences (8-10 credit hours) Choose one option:				
<u>Natural Sciences Option (8 credit hours)</u> <input type="checkbox"/> Choose two lecture/laboratory courses from the Natural Sciences Core course list.	<u>Natural Sciences + Modern and Classical Language Option (10 credit hours)</u> <input type="checkbox"/> Choose one lecture/laboratory course from the Natural Sciences Core course list. <input type="checkbox"/> Choose two sequential courses in a language. Courses must be completed in order			(Included in major)
Mathematics (3 credit hours)				(Included in major)
<input type="checkbox"/> Choose one course from the Mathematics Core Course list.				
Fine Arts (3 credit hours)				
<input type="checkbox"/> Choose one course from the Fine Arts Core Course list.				
Freshman Symposium (1 credit hour) Required for all incoming freshmen.				
<input type="checkbox"/> UNIV 1111 Freshman Symposium				

Bachelor of Science in Chemistry 2016-2018 Catalog

Major Requirements (63 credit hours)		Completed	Needed
Chemistry Required Courses (38 credit hours)			
<input type="checkbox"/> CHEM 1341/1141 – General Chemistry I and laboratory <input type="checkbox"/> CHEM 1342/1142 – General Chemistry II and laboratory (CHEM 1341/1141) <input type="checkbox"/> CHEM 2343/2143 – Organic Chemistry I and laboratory (CHEM 1342/1142) <input type="checkbox"/> CHEM 3333/3133 – Organic Chemistry II and laboratory (CHEM 2343/2143) <input type="checkbox"/> CHEM 3334/3134 – Biochemistry and laboratory (junior standing; CHEM 2343/2143) <input type="checkbox"/> CHEM 3343/3143 – Analytical Chemistry and laboratory (CHEM 1342/1142) <input type="checkbox"/> CHEM 4331/4131 – Advanced Organic Chemistry and laboratory (CHEM 3333/3133) <input type="checkbox"/> CHEM 4332/4132 – Inorganic Chemistry and laboratory (CHEM 3333/3133) <input type="checkbox"/> CHEM 4362/4162 – Thermodynamics and Kinetics and laboratory (CHEM 1342/1142; MATH 1431/1432/2343; PHYS 1331/1332 or PHYS 2333/2334) <input type="checkbox"/> CHEM 4112 – Scientific Communication (junior or senior standing) <input type="checkbox"/> CHEM 4150 – Laboratory Research Methods			
Additional Chemistry (6 credit hours) Choose two from the following.			
<input type="checkbox"/> CHEM 4344 – Advanced Analytical Techniques (CHEM 3343/3143) <input type="checkbox"/> CHEM 4354 – Environmental Chemistry (CHEM 3343/3143) <input type="checkbox"/> CHEM 4361 – Quantum Chemistry (1342/1142; MATH 1431/1432/2343; PHYS 1331/1332 or PHYS 2333/2334)			
Mathematics (11 credit hours) Must take in order.			
<input type="checkbox"/> MATH 1431 – Calculus I <input type="checkbox"/> MATH 1432 – Calculus II <input type="checkbox"/> MATH 2343 – Differential Equations I			
Physics (8 credit hours) Choose one pair of courses.			
<input type="checkbox"/> PHYS 1331/1111 – General Physics I w/lab <input type="checkbox"/> PHYS 1332/1112 – General Physics II w/lab	<input type="checkbox"/> PHYS 2333/2111 – University Physics I w/lab <input type="checkbox"/> PHYS 2334/2112 – University Physics II w/lab		

Electives		Completed	Needed
Electives to reach the 126 hour minimum to graduate (17 hours)			
<i>This major contains 32 upper-division (3000 or 4000 level) credit hours. 36 upper-division credit hours are required for graduation. Consider additional upper-division options in the core or electives.</i>			

Totals		Completed	Needed
Total undergraduate hours (126 minimum):			

MINIMUM TOTAL: 126+