

## Academic Year 2017-18 Bachelor of Science in Chemistry Concentration: Secondary Education SCH3UG

Estimated Graduation Date

Concentration Requirements: 36 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
СН 3020	2	
CH 4810	2	
ED 3100	2	
ED 3110	3	
ED 3210	2	
ED 3410	1	
ED/HU 4150	4	
ED 4700	3	
ED 4720	2	
ED 4910	12	
HU 2830	3	
Credit Subtotal		

Note: for Michigan Teaching Certification, students must also complete a secondary teacher certification minor. Additional credits depend on the minor chosen. In addition, students must be certified in First Aid and CPR for child and adult by completing Red Cross or American Heart Association training.

Student Name and ID Number

Major Requirements: 69 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
CH 1150 <b>and</b>		
CH 1151 and	5	
CH 1153	5	
<b>OR</b> CH 1112		
CH 1160 and		
CH 1161 and	5	
CH 1163	5	
<b>OR</b> CH 1122		
CH 1130	1	
CH 2130	2	
CH 2212	5	
CH 2410	3	
CH 2411	1	
CH 2420	3	
CH 3130	1	
CH 3510	3	
CH 3511	2	
CH 3520	3	
CH 4130	2	
CH 4310	3	
CH 4311	2	
CH 4710	3	
MA 1160	4	
MA 2160	4	
MA 2330	3	
MA 3160	4	
MA 3520	2	
PH 1100	1	
PH 1200	1	
PH 2100	3	
РН 2200	3	
Credit Subtotal		

\*M-Passed with valid grade, transfer, or Advance Placement credit; Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as substitute course.

General Education Requirements: 24 credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*

Courses used to complete General Education may not be used to complete other degree requirements.

Core: 12 credits		
UN 1015	3	
UN 1025 or upper level modern language	3	
Critical and Creative Thinking	3	
Social Responsibility and Ethical Reasoning	3	

✓ Each course can satisfy only one requirement

 $\checkmark$  No more than three credits may come from the Restricted List

 $\checkmark$  Six credits of HASS must be at the 3000- or 4000- level (an upper level language course in place of UN1025 does not meet this requirement).

Humanities, Fine Arts/Social & Behavioral Sciences (HASS): 12 credits		
Communication/ Composition	3	
Humanities and Fine Arts	3	
Social and Behavioral Sciences	3	
Course from any list above or Restricted List	3	

## **Co-Curricular Activities**

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.

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Free Electives: 4			
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*	
Free elective credits are usually fulfilled by the required Secondary Teaching Certification Minor* credits. The amount will vary depending on the minor selected and the minor creidts being used in other areas of this degree audit.			
Credit Subtotal			

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\*Complete a Teaching Certification Minor Audit with the Department of Cognitive and Learning Sciences.

Advisor Use Only		
Total Credits Required	128	
Total Credits Completed		
Total Credits Needed		

Dept. of Cognitive and Learning Sciences

Date