Michigan Technological University
Registrar's Office

Academic Year 2017-18
Bachelor of Science in Physics
Concentration: Secondary Education
SPH1UG

Student Name and ID Number

Estimated Graduation Date

Major Requirements: 68 - 69 Credits

Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
CH 1150	3	
CH 1151	1	
MA 1160	4	
MA 2160	4	
MA 2320/2330	2/3	
MA 3160	4	
MA 3530	3	
PH 1160	4	
PH 1161	1	
PH 1360	2	
PH 1361	1	
PH 1600	2	
PH 2020	2	
PH 2230	4	
PH 2260	4	
PH 2261	1	
PH 2300	2	
PH 2400	3	
PH 3110	3	
PH 3210	3	
PH 3300	3	
PH 3320	3	
PH 3410	3	
PH 3480	2	
PH 4010	1	
PH 4210	3	
Credit Subtotal		

Concentration Requirements: 31 Credits

Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
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	
PH 4710	2	
Credit Subtotal		

Note: For Michigan Teaching Certification, students must also complete a secondary teacher certification minor through the Dept of Cognitive and Learning Sciences. In addition, students must become certified by the Red Cross or American Heart Association in child and adult First Aid and CPR.

***M**-Passed with valid grade, transfer, or Advance Placement credit; **R**egistered in course; **P**lan 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
✓ No more than three credits may come from the Restricted List
✓ 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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Student Signature Date

Free Electives: Variable		
Course Number	**Credits**	**Course Status Code M, R, P, WVD, SUB***
Free elective credits are usually fulfilled by the required secondary teacher certification minor credits. The amount will vary dependeing on the minor selected and the minor credits being used in other areas of this degree.		
Credit Subtotal		

Advisor Use Only	
Total Credits for this degree will vary based on the state teaching certification minor. Minimum credits required is 126	
Total Credits Required	126
Total Credits Completed	
Total Credits Needed	

Dept. of Cognitive and Learning Sciences Date

Departmental Approval Date