

Major Program: Electrical Engineering
 Concentration: Photonics
 Program Code: EEEPUG

Name: _____
 ID#: _____
 Expected Graduation Term: _____

Major Requirements

Course Number	Credits (78)	Course Status Code M, R, P, WVD, SUB*
CS 1121/1131	3/5	
EE 2110	3	
EE 2150	3	
EE 2173	3	
EE 2303	1	
EE 2304	1	
EE 3130	3	
EE 3140	3	
EE 3160	3	
EE 3180	3	
EE 3305	1	
EE 4900	2	
EE Electives (any EE course not listed above and not EE3010, EE3805, EE3875, EE4000, EE4805, EE4875, EE4900, EE4901, and EE4910): 3 credits		
ENG 1101 OR (ENG 1001 AND ENG 1100)	3 / 4	
ENG 1102	3	
MA 1160/1161	4 / 5	
MA 2160	4	
MA 2321	2	
MA 3160	4	
MA 3521	2	
PH 1100	1	
PH 1200	1	
PH 2100	3	
PH 2200	3	
Senior Design Track:		
Senior Design: Select four credits of approved design from the following: (EE4901 and EE4910) OR (MEEM4901 and MEEM4911).		

Major Requirements

Course Number	Credits (78)	Course Status Code M, R, P, WVD, SUB*
Enterprise for Design Track:		
Engineering Design: Select six credits from the following: (ENT3950, ENT3960, ENT4950, and ENT4960) OR (ENT3960, ENT4950, ENT4960 AND an approved ENT module to be selected from the following: ENT3954, ENT3956, ENT3958, ENT3963, ENT3964, ENT3966, ENT3967, ENT3971, ENT3972, ENT4951).		
Approved Electives: 12 credits required with Senior Design Track. 10 credits required with Enterprise Design Track. 1. Choose a minimum of 5 credits of approved Math or Science from the following: Any MA course at least 3000 level <i>except</i> MA3720 or MA4945. Any BL course <i>except</i> BL3990. Any CH course number CH1100 and higher, <i>except</i> CH1130. Any PH course numbered PH1600 and higher, <i>except</i> PH2230. MAA not accepted.		
2. Choose remaining approved electives from the above or the following: Any Math or Science elective listed above. Any CS Course Any EE course <i>except</i> EE3010 (maximum of 4 credits) ENG2000-ENG4999 <i>except</i> ENG2990, 3530, 3993, 4160, 4900, 4905, 4910, and ENG4990. Any BE, CE, CM <i>except</i> CM3410, GE, MEEM, MY course Any ENT course <i>except</i> ENT1950. UN4000 Remote Sensing Seminar UN3002 or UN3003 Co-op (6 credits maximum)		
Please consult Academic Advisor with any questions.		
Credits Subtotal		

* M-Passed with valid grade, transfer, or Adv. 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. *

Concentration Requirements

Course Number	Credits (19)	Course Status Code M, R, P, WVD, SUB*
EE 2190	3	
EE 3190	3	
EE 3291	3	
EE 3391	1	
EE 4441	3	
6 credits from the following:		
EE 4252	3	
EE 4253	3	
EE 4256	3	
EE 4257	3	
EE 4290	3	
MY 3292	3	
PH 3210	3	
PH 4510	3	
Credits Subtotal		

Free Electives

Course Number	Credits (3)	Course Status Code M, R, P, WVD, SUB*
Free electives: Any Michigan Tech course(s) or approved transfer course(s) that are 1000-level or above, and are not duplicated or equivalent courses or pre-requisites for previously taken courses.		
Credits Subtotal		

General Education Requirements

Course Number	Credits (28)	Course Status Code M, R, P, WVD, SUB*
UN 1001	3	
UN 1002**	4	
UN 2001	3	
UN 2002	3	
HASS Distribution Courses: 15 total credits required. Six credits must be at the 3000- or 4000-level.		
<ul style="list-style-type: none"> ■ No more than 3 credits from the HASS Creative Endeavors List may be used to satisfy the HASS Distribution List requirements. ■ No more than 3 credits from the HASS Supplemental List may be used to satisfy the HASS Distribution List requirements. 		
Credits Subtotal		
**Two semesters of a single modern language (6 cr) in addition to UN1003 World Cultures Activities (1 cr) can substitute for UN1002 + 3 credits of distribution course requirements.		

Co-Curricular Activities		
	.5	
	.5	
	.5	
	.5	
	.5	
	.5	
Required for graduation, but not included in the calculation of the GPA, or in the overall credits required for the degree.		

Additional Information

(check all that apply)

Currently Enrolled in:

Certificate Program: _____

Double Major: _____

Minor: _____

Second Degree: _____

For Advisor Use Only

Total Credits Required: **128**

Total Credits Completed: _____

Total Credits Needed: _____

Student Signature

Date

Departmental Approval

Date