Michigan Technological University
Registrar's Office
1885

Student Name and ID Number

Estimated Graduation Date

Major Requirements: 104 Credits		
Course Number	**Credits**	**Course Status Code M, R, P, WVD, SUB***
Directed Math/Science Elective (6 credits)		
STEM 2nd discipline Science Course: 3 credits minimum		
BL 1040 **or** CH 1150 **and** CH1151 **or** GE 2000	3/4	
Choose remaining Directed Math/Science Elective: MA2600, 2910, MA3XXX or higher *(excluding MA3720, 3750, 3810, 3811, 3990, 4810, 4820, 4905, 4945);* BL1010 or higher *(excluding BL1580, 1590, 1690, 1710, 3970, 3990)* ; CH1500 or higher; PH1090, 1091, 1600, 1610, 2300 or higher; EE3180		
	3	
CS 1121 or CS 1131	3/5	
CS 1122 *(not required if CS 1131 is taken)*	3	
CS 1142	3	
CS 2311	3	
CS 2321	3	
CS 3331 or EE 3160	3	
CS 3411	3	
CS 3421	3	
CS 4321	3	
EE 1111	1	
EE 1110	1	
EE 2111	3	
EE 2112	4	
EE 2174	4	
EE 3131	4	
EE 3173	4	
EE 3901	2	
EE 4173	3	
EE 4272	3	
ENG 1101 or ENG 1001 and ENG 1100	3/4	
MA 1160 and MA 1161	4/5	
MA 2160	4	
MA 2321	2	
MA 3521	2	
MA 3710	3	
PH 1100	1	
PH 1200	1	
PH 2100	3	
PH 2200	3	
Credit Subtotal		

Major Requirements: 104 Credits		
Course Number	**Credits**	**Course Status Code M, R, P, WVD, SUB***
Technical Electives: 6 credits (7 credits required if CS1131 is taken)		
	3	
	3	
Senior Design Path (10 credits)		
Senior Design: 4 credits		
(EE 4901 **and** EE 4910) OR (MEEM 4901 **and** MEEM 4911)		
	2	
	2	
Additional Technical Electives: 6 credits requried		
Select from ENG 1102 (if taken w/FY program, up to 4 credits maximum from UN 3002, UN 3003 and/or from course list below)		
Enterprise Design Path (10 credits)		
Engineering Design: 6 credits		
ENT3950, ENT3960, ENT4950 **and** ENT4960 **OR** ENT3960, ENT4950, ENT4960 **and** ENT module from following: ENT2961, ENT2962, ENT3959, ENT3963, ENT3966, ENT3967, ENT2971, ENT4951		
	1	
	1	
	2	
	2	
Additional Technical Electives: 4 credits requried		
Select from ENG 1102 (if taken w/FY program, up to 4 credits maximum from UN 3002, UN 3003 and/or from course list below)		
Credit Subtotal		

Technical Electives Course List:
CS3141, 3311, 3331, 3425, 3712
CS4001-4999 *(excluding CS4090, 4099, 4431, 4791, 4792)*
CS500-5899 *(excluding CS5090, 5091)*
EE3090-4899 *(excluding EE3171, 4000, 4800, 4805, 4870)*
EE5000-7999 *(excluding EE5290, 5975, 5990, 5991, 5992, 4994, 6975)*
MA3202, 3203, MEEM4705

****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.		
	.5	
	.5	
	.5	
	.5	
	.5	
	.5	

Free Electives: 0 credits		
Course Number	**Credits**	**Course Status Code M, R, P, WVD, SUB***
Credit Subtotal		

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

Student Signature   Date

Departmental Approval   Date