Electrical Engineering at MichiganTech

Look up pre-requisite, co-requisite, semester offerings, course requirements and restrictions in the course catalog and Schedule of Classes.

BSEE – Environmental Applications Concentration

2015-2016 catalog term 201508

SAMPLE PLAN
Caculus-ready students

Last Update November 16, 2017

Sem. 1- Fall	Sem. 2 - Spring	Sem. 3 - Fall	Sem 4 - Spring	Sem. 5 - Fall	Sem. 6 - Spring	Sem. 7 - Fall	Sem. 8 - Spring
(calculus-ready students)	Optional: Enterprise participation ENT1960(1)	ENT2950(1)	ENT2960(1)	✳ **Decide: Enterprise or Senior Design or EPS** 5) ENT3950(1)	ENT3960(1)	EE3131 EE3901 ENT4950(2)	ENT4950 & ENT4960: take in same enterprise & consecutive semesters. ENT4960(2)
Co-hort courses MA1160/61 (4) Calculus I F, S, Su	MA2160 (4) Calculus II F, S, Su	May take MA2320, delay MA3520&EE2112 MA1160 *MA2321(2) Accelerated. Linear Alg TrackA Pre-req / Co-register	MA2160 MA3160 (4) Multi-Variable Calculus F, S, Su	EE3131 (4) Electronics and Lab F, S	UN1015 EE3131(C) EE3901 (2) Design Fund. *Spring only*	5) EE4901 (2)**** EE Design 1 EE3131 EE3901 *Fall only*	EE4910 (2)**** EE Design 2 EE3171 *Spring only*
(C) PH1100 (1) Physics I Lab F, S, Su	(C) PH2100 (3) Physics I F, S, Su	Track B *MA3521(2) Accel. Diff. Eq.	EE2112 (4) Electric Circuits II & Lab	MA2321/20 MA3521/20 EE3160 (3) Signals & Systems F, S	Keep Friday am or pm free for CEE3502 lab	EE3160 EE3261 (3) Control Systems	
(C) ENG1101(3) Engrg Analysis Spatial Visualization Test	(C) ENG1102 (3) MODEL & DESGN	EE2111 (3) Electric Circuits I F, S	(C) *EE3120 (3) Electric Energy Systems F, S,Su EE3120 may be postponed	MA2160 CH1150/51 CEE3501 (3) Env Engg Fund	MA2160 CH1150/51 CEE3502 (3) Monitoring & measurement	*** Remote Sensing choice 1 or 2: 1- EE4252(4) 1	1- GE4250(3)
CH1150/51 (4) &/or CH1153 (1) Univ Chem I	MA1160/61 EE1110 (1) Essential Math (Track A)	CS1111 (3) Intro C/C++ Programming *Fall only*		EE2112 PH2200 MA3160 EE3140 (3) Electro-magnetics	CS1111 o rCS1121 EE2174 EE3171 (4) Microcontroller Appls and Lab F, S	OR CEE_____** Env Qual elec(3)	CEE_____** Env Qual elec(3)
CH1153 is optional recitation section & is recommended. Take CH1000 first if not well-prepared for UChem	EE1111 (1) Intro to ECE (Track B)			(C) 2- EE3090(3) 2	2- EE3190(3)	4) EE_____*** EE Elective (3)	4) EE_____*** EE Elective (3)
	PH1100 PH1200 (1) Physics II Lab	MA2160 PH2100 (C) PH2200 (3) Univ. Physics 2 F, S, Su	CS1111 or CS1121 EE2174(4) Digital Logic & Lab F, S	***Remote Sensing choice 2 is taken in JR year & postpone two HASS	Upper level if needed: _____(3) HASS HU,FA	Look up semester offered and prerequisites	
UN1015 (3) Composition	HU3_____ or: UN1025 (3) Global Issues Upper-level language course may replace UN1025	1) _____ (3) G8 Soc/Ethical	1) _____ (3) G4 Crit/Creat Thinking	1) _____(3) HASS Comp/ Comm	_____(3) HASS EC,PSY,SS	EE3160 EE3180 (3) Intro. Probability & Random Sig. Anal. F, S	_____ (1) Free Electives _____(3) Any HASS upper level if needed
_____ Co-Curr. Unit (.5)	_____ Co-Curr. Unit (.5)	_____ Co-Curr. Unit (.5)	Attend Feb. Career Fair: Semester 5 is a good time to co-op or study abroad.	_____ Co-Curr. Unit (.5)	_____ Co-Curr. Unit (.5)		_____ Co-Curr. Unit (.5)
15.5/16.5	16.5	16.5	18	16.5	15.5	17/18	15.5

Choose at least 6 credits of 3000-4999 HASS
Recommended HASS: EC3400

(C) → Concurrent prerequisite (a prereq. that can be taken concurrently)

Total 128-129
plus 3 units co-curricular activities

* Schedule a minimum of 14 credits if taking accelerated Linear Alg/Diff Eq

** Env. Quality Engg. electives: CEE4502-F, 4503-S, 4504-F, 4505-F, 4507-S, 4511-S

*** Remote Sensing Choice 1(a. EE4252 & b. GE4250) **or** 2: (a. EE3090 & b. EE3190)

Undergraduate advisor:
EERC 131. Call 487-2550 to schedule appt. eceadvise@mtu.edu

GRADUATION Checklist:
1. Apply to graduate 1 or 2 semesters *before* your last semester. Date: _____

2. FINAL degree audit review: Meet with the advisor at the end of the semester before your last, *after scheduling last set of classes and reviewing your degree audit report:*

Final Audit Date:_____ Advisor check:_____