

MichiganTech School of Technology

Academic Planning Sheet 2007-08

Electrical Engineering Technology

For your planning convenience, this form is also available on-line at: <http://www.tech.mtu.edu/academic.htm>

Math - Required

Total: 12

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
MA 1032	Data, Functions, and Graphs Plus		f/s/su			4 (0-3-2)
MA 1160	Calculus with Technology I	MA 1032 or MA 1031	f/s/su			4 (0-4-0)
MA 2160	Calculus with Technology II	MA 1160 or 1161 or 1135 or 1140	f/s/su			4 (0-4-0)

Science – Required

Total: 4

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
PH 1140	Applied College Physics I	MA1031 or 1032 or 1140(C) or 1160(C) or 1161(C) / SoT majors	s			3 (3-0-0)
PH 1141	Applied College Physics I Lab	PH 1140 / SoT majors only	s			1 (0-0-2)

General Education - Required

Total: 13

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
UN 1001	Perspectives on Inquiry	FR	f/s/su			3 (0-3-0)
UN 1002	World Cultures	FR	s/su			4 (3-0-3)
OR	OR					OR
UN 1003 & HU....	(World Cultures Activities AND 1 yr Foreign Language)	FR	s f/s			1 (0-0-2) 3 (0-3-0)
UN 2001	Revisions: Oral, Written, and Visual Communication	UN 1001 & UN 1002 or UN 1003 / FR,SO	f/s/su			3 (0-3-0)
UN 2002	Institutions	SO	f/s/su			3 (3-0-0)

General Education Distribution Courses (Choose from distribution list - Consult with your advisor)

View course choices: http://www.admin.mtu.edu/em/students/plan/dist_courses.pdf

Total: 15

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
HU 3120	Technical and Scientific Commun	UN 1002 or UN 1003 / JR,SR	f/s/su			3 (0-3-0)
						3
						3
						3
						3

Electrical Engineering Technology Major - Required

Total: 68-69

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
BA 3620	Project Management	JR,SR	f/s/su			3 (3-0-0)
EET 1120	Circuits I	MA 1031(C) or MA 1032(C)	f/s			4 (0-3-2)
EET 2120	Circuits II	EET 1120 & MA 1160(C) or MA 1161(C) or MA 1135(C) or MA 1140(C)	f/s/su			4 (0-3-2)
EET 2141	Digital Electronics & Microprocessor Fundamentals	EET 1120 or EET 1411 or 2311	s			4 (0-3-3)
EET 2142	Digital Design & Model. Using VHDL	EET 2141	f			3 (0-2-2)
OR	OR					OR
EET 3390	Power Systems	EET 2233	f			3 (0-3-0)
EET 2220	Electronic Devices and Circuits	EET 2120	f/s			4 (0-3-3)
EET 2233	Electrical Machinery	EET 2120(C) or EET 2311	f			4 (0-3-3)
EET 2241	Structure & Assembly Programming	EET 2141	f			3 (0-2-2)
EET 2412	Data Communications	EET 1411 or EET 1120 & MA 1031(C) or MA 1032(C)	f			2 (0-2-0)
EET 3141	Computer Architecture & Design	EET 2141	f			4 (0-3-3)
EET 3225	Special Electronic Devices	EET 2220	s			4 (0-3-3)

NOTE: This worksheet is for planning purposes and does not supersede university catalog requirements.

EET 3281	Electrical Project Development and Troubleshooting	EET 2220	f/s			3 (0-1-3)
EET 3353	Sensors, Data Acquisition and Control	EET 1411 or EET 2220 or EET 2311 or EE 3010	s			3 (0-2-3)
EET 3367	Communication Systems	EET 3225	f			4 (0-3-3)
EET 3373	Introduction to Programmable Controllers	EET 2311 or EET 2120 & EET 2141 or EET 2411	f			3 (0-2-3)
EET 4141	Microcomputer Interfacing	EET 2141 or CS 1121	f			4 (0-3-3)
EET 4311 OR	Advanced Circuits and Controls OR	EET 3353 or EET 3131	f			4 (0-3-3) OR
EET 3142 AND	Operating System Concepts AND	EET 2142 & EET 3141	s			3 (0-2-3) AND
EET 3143	Programmable Logic Devices	EET 2142 & EET 3141	s			3 (0-2-3)
EET 4460	Senior Project I	JR,SR	f/s			3 (1-0-2)
EET 4480	Senior Project II	EET 4460 / SR	f/s/su			3 (1-0-2)
EET 4999	Professional Practice Seminar	SR / TEET majors only	f/s			1 (0-1-0)
TE 1010	Technology Computer Applications		f/su			2 (0-2-0)

Technical Electives – (Choose 12-14 credits from the following:)**Total: 12-14**

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
BA 2100	<i>(not on 2007/08 schedule)</i> Business Statistics	MA 1135 or 1140 or 1160 or 1161	f/s/su			3 (3-0-0)
EET 3131	Instrumentation	EET 1411 or 2311 or 2220	s			3 (0-2-2)
EET 4142	Digital Signal Processing Application	EET 3367 & EET 4141	s			3 (0-2-3)
EET 4144	Real-Time Robotics Systems	EET 4141 & EET 2220	s-odd*			4 (0-3-3)
EET 4145	VLSI Circuits Design	EET 2220	f-even*			3 (0-3-0)
EET 4146	Functional Verification of Hardware Design	EET 3143	f-even*			3 (0-3-0)
EET 4367	Wireless Communications	EET 3367 & MA 2140 or MA 2160	s			4 (0-3-3)
EET 4373	Advanced Programmable Controllers	EET 3373	s			4 (0-2-3)
MET 2120	Statics & Strength of Materials	MA 1140(C) or 1160(C) or 1161(C) & PH 1140	f			4 (0-3-2)
MET 2130	Dynamics	MET 2120	s			3 (0-3-0)
SAT 2511	MS System Administration I	SAT 2343 <i>(or dept permission)</i>	s			4 (0-3-2)
SAT 2711	UNIX & Linux Administration I	SAT 1200 <i>(or dept permission)</i>	f/su			4 (0-3-3)
ENT XXXX	Enterprise Project Work	SO,JR,SR	f/s/su			1-6 (0-0-3)

Free Electives**Total: 0-2**

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits

Total Credits Required:	127
Current Credit Total:	
Total Credits Needed:	

Co-curricular Activities (Courses may **NOT** be repeated)**Unit Total: 3**View course choices: http://www.aux.mtu.edu/phys-ed/co-curricular_classes/co-curricular.htm

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Units
						0.5
						0.5
						0.5
						0.5
						0.5
						0.5

Revised 8/24/2007

*Calendar year course is offered

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