

MichiganTech School of Technology

Academic Planning Sheet 2007-08

Computer Network and System Administration

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

Math - Required

Total: 6

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
MA 1160	Calculus with Technology I	MA 1031 or MA 1032	f/s/su			4 (0-4-0)
MA 2320	Elementary Linear Algebra	MA 1160 or MA 1161 or MA 1140 / non-SCS,SMA	f/s/su			2 (0-2-0)

Analytical Physical Sciences – Required

Total: 4

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
PH 1140	Applied College Physics I	MA 1031 or 1032 or 1140(C) or 1160(C) or 1161(C) / SoT majors	s			3 (3-0-0)
PH 1141	Applied College Physics I Laboratory	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 OR	World Cultures OR	FR	s/su			4 (3-0-3) 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)

Total: 15

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

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

Computer Network and System Administration Major - Required

Total: 73

Course	Title	Prerequisites/Restrictions	Offered	Taken	Grade	Credits
BA 2100	Business Statistics	MA 1135 or MA 1140 or MA 1160 or MA 1161	f/s/su			3 (3-0-0)
BA 2700	Business Problem Solving	SO, JR, SR	f/s/su			3 (0-3-0)
BA 3620	Project Management	JR,SR	f/s/su			3 (3-0-0)
EET 1411	Basic Electronics	MA 1030(C) / TMET & TCSA majors	s/su			4 (0-3-2)
EET 2411	Digital Electronics	EET 1411 & MA 1031(C) or MA 1032(C) / TCSA majors only	s			3 (0-2-2)
EET 2412	Data Communications	EET 1411 or EET 1120 & MA 1031(C) or MA1032(C) / TEET,TCSA majors only	f			2 (0-2-0)
SAT 1200	Introduction to Programming	TCSA majors only	f			3 (2-0-2)
SAT 1610	Computer and OS Architecture	SAT 1200 or SAT 2400 / TCSA	f/s			3 (2-0-2)
SAT 1700	Computer-Cyber Ethics/Policy	TCSA majors only	f			3 (3-0-0)
SAT 2343	Network Administration I	SAT 1610	f			4 (0-3-2)
SAT 2511	MS System Administration	SAT 2343	s			4 (0-3-2)
SAT 2600	Mobile Computing & FCC Regs	SAT 2343	s/su			3 (0-2-2)

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

SAT 2711	Unix and Linux Administration I	SAT 1200	f/su			4 (0-3-3)
SAT 3210	Database Management	SAT 2511 & SAT 2711 / TCSA	f			3 (2-0-2)
SAT 3343	Network Administration II	SAT 2343	s			4 (0-3-3)
SAT 3511	MS System Administration II	SAT 3441 or SAT 2511	f			3 (0-2-2)
SAT 3711	Unix and Linux Administration II	SAT 2711	s/su			3 (2-0-2)
SAT 3812	Network Security Engineering I	SAT 2511 & SAT 2711	f			3 (0-2-2)
SAT 4200	Storage Area Networking	SAT 2511 & SAT 2711	f			3 (0-2-2)
SAT 4480	Senior Project I	JR,SR / TCSA majors only	f/s/su			3 (0-0-6)
SAT 4541	Windows 2000 Directory Services	SAT 3511 & SAT 3711	f			3 (2-0-2)
SAT 4600	Web/App Server Administration	SAT 3511 & SAT 3711	s			3 (0-2-2)
SAT 4880	Senior Project II	SAT 4480 / JR,SR	f/s/su			3 (0-0-4)

Select 9 credits from the following electives:

BA 2330	Accounting I	SO,JR,SR	f/s/su			3 (3-0-0)
BA 2500	Business Law I		f/s/su			3 (3-0-0)
BA 3780	Entrepreneurship	JR,SR	f/s/su			3 (0-3-0)
BA 4600	Management of Technology and Innovation	SR	f/s			3 (0-3-0)
BA 4680	International Management Technology	BA 4600(C) / JR,SR	demand			3 (0-3-0)
EET 2141	Digital Electronics and Microprocessor Fundamentals	EET 1120 or EET 1411 or EET 2311	s			4 (0-3-3)
EET 2241	Structure and Assembly Programming	EET 2141	f			3 (0-2-2)
EET 3353	Sensors, Data Acquisition and Control	EET 1411 or EET 2220 or EET 2311 or EE 3010	s			3 (0-2-3)
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)
MA 3203	Introduction to Cryptography	MA 2320 or MA 2321 or MA 2330	s/su			3 (0-3-0)
SAT 4240	VoIP Engineering	SAT 2511 & SAT 2711 & SAT 3343	s			3 (2-0-2)
SAT 4310	Scripting Programming	SAT 1200 & SAT 2511 & SAT 2711	f			3 (2-0-2)
SAT 4343	Network Engineering	SAT 3343	s			3 (0-2-2)
SAT 4812	Network Security Engineering II	SAT 3812 & MA 3203	s			3 (0-2-2)
ENT XXXX	Enterprise Project Work	SO,JR,SR	f/s/su			1-9 (0-0-3)

Free Electives**Total: 7**

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

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