Network Management Technology Major - Graduation MAP

This plan is a suggested schedule. Meet with an academic advisor to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.

WEBER STATE UNIVERSITY

Catalog Year: 2019-2020   NAME:_____

☑	Course	Credit Hour	Semester Offered	Milestones & Notes
	Freshman (Semester 1)			
	NET 2200 Introduction to Operating Systems	3	Fa, Sp	Declare Major with an AAS and BS Degrees in Network Management Technology. Meet with a department advisor. Overall GPA 2.5 or higher. C or better in all required courses. Complete Information Literacy (C or better).
	CS 1030 Foundations of Computing	4	Fa, Sp, Su	
	WEB 1501-03 Competency Exams **or** WEB 1700 Introduction to Computer Applications	1.5/3	Fa, Sp, Su	
	ENGL 2010 (EN) Intermediate College Writing	3	Fa, Sp, Su	
	LIBS 1504 or 1704 Information Literacy	1	Fa, Sp, Su	
	MATH 1040 (QL) Introduction to College Statistics	3	Fa, Sp, Su	
	Total Semester Credits	**15.5/17**		
	Freshman (Semester 2)			
	NET 2300 Introduction to LAN Management	3	Fa, Sp	If GPA is 3.0 or higher, apply for a scholarship.
	CS 1400 Programming 1	4	Fa, Sp, Su	
	WEB 1400 Web Page Design and Usability	3	Fa, Sp, Su	
	EET 1110 Basic Electronics	2	Fa, Sp	
	COMM 2110 (HU) Interpersonal & Small Group Comm.	3	Fa, Sp, Su	
	Total Semester Credits	**15**		
	Freshman (Optional)			
	Total Semester Credits			
	Sophomore (Semester 3)			
	NET 2415 Cisco TCP/IP Protocol Suite, Routing	3	Fa	
	NET 3200 Linux Systems Administration	3	Fa	
	CS 2130 Computational Structures	4	Fa, Sp, Su	
	American Institutions (AI) Elective	3	Fa, Sp, Su	
	Physical (PS)/Life Science (LS)Elective	3	Fa, Sp, Su	
	Total Semester Credits	**16**		
	Sophomore (Semester 4)			
	NET 2435 Cisco Advanced LAN and WAN Switching and Routing Theory and Design	3	Sp	Apply for graduation with an AAS degree in Network Management Technology. A minimum of 63 credits required for AAS degree
	CS 2550 Introduction to Database Design and SQL	4	Fa, Sp, Su	
	CS 2810 Computer Architecture/Organization	4	Fa, Sp, Su	
	PS 3250 Business Communication	3	Fa, Sp, Su	
	ECON 1010 (SS) Economics as a Social Science	3	Fa, Sp	
	Total Semester Credits	**17**		
	Sophomore (Optional)			
		3	Fa, Sp, Su	
	Total Semester Credits			

☑	Course	Credit Hours	Semester Offered	Milestones & Notes
	Junior (Semester 5)			
	NET 3310 Network Server Administration	3	Fa	
	CS 3030 Scripting Languages	4	Fa	
	WEB 3400 Web Development	3	Fa	
	Creative Art (CA) Elective	3	Fa, Sp, Su	
	Life Science (LS) Elective	3	Fa, Sp, Su	
	Total Semester Credits	**16**		
	Junior (Semester 6)			
	NET 3300 Advanced LAN Security Management	3	Sp	
	NET 3710 Switching & Transmission Network Systems Management	3	Fa, Sp	
	NET 3715 Transmission Network Applications	2	Fa, Sp	
	Diversity (DV)/ Social Science (SS) Elective	3	Fa, Sp, Su	
	Humanities (HU)/Creative Arts (CA) Elective	3	Fa, Sp, Su	
	Total Semester Credits	**14**		
	Junior (Optional)			
	Total Semester Credits			
	Senior (Semester 7)			
	NET 3550 Supervising Information Technology	3	Fa	Begin looking for an internship
	NET 3720 Advanced Transport Media	3	Fa	Be sure one of your general education courses also fulfills the Diversity (DV) requirement.
	NET 3730 Cyber Policy and Ethics	3	Fa	
	CS 3705 Protocol Analysis	4	Fa	
	Total Semester Credits	**13**		
	Senior (Semester 8)			
	NET 4700 Data & Voice Network Design	4	Sp	Apply for graduation with BS degree in Network Management Technology
	NET 4740 Security Vulnerabilities & Attack Prevention	4	Sp	
	NET 4760 Network/Telecommunications Internship	3	Fa, Sp, Su	A minimum of 120 credits required for BS degree with minimum of 40 upper-division course hours
	NET 4790 Network/Telecommunications Senior Project	2	Fa, Sp, Su	
	Physical Science (PS) Elective	3	Fa, Sp, Su	
	Total Semester Credits	**16**		
	Senior (Optional)			
	Total Semester Credits			
	Total Bachelor Credits	**123**		

Gen Ed Breadth Requirements (do not duplicate departments)

□ HU	□ CA	□ HU or CA
□ SS	□ SS	
□ PS	□ LS	□ PS or LS
□ DV (Double dip with breadth course)		

Avoid Misadvisement! Consult your academic Advisor (Weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

Revised 3/4/2019

Note: Classes in **red** should be taken together
Critical Prerequisite Paths:
NET 2200 → NET 2300 → NET 2415 → NET 2435 → NET 3300
NET 2200 → NET 2300 → NET 3710/3715
CS 1030 → CS 2550
CS 1400 and NET 3200 → CS 2810
CS 1400 and NET 3200 → CS 3030
WEB 1400 → WEB 3400
CS 1400 → CS 2130 → NET 4700
NET 2435 → CS 3705 → NET 4740
Math 1040 & PS 3250 & CS 1400 → CS 2130 & CS 3705 → NET 4740
Critical Co/Prerequisites: NET 4700 before or same time as NET 4760/NET 4790