

BS Network Management Technology Major—Degree Map

This is a suggested plan. 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: 2020-2021

Name _____

	Course	Credit Hour	Semester Offered	Pre-Requisite	Milestones & Notes
Freshman (Semester 1)					
	NET 2200 Microcomputer Operating Systems	3	Fa, Sp		• Declare major with AAS and BS degrees in Network Management Technology. • Meet with an advisor • Overall GPA 2.5 or higher C or better in all required courses
	CS 1030 Foundations of Computing or	4	Fa, Sp, Su		
	WEB 1501-03 Competency Exams or WEB 1700 Introduction to Computer Application	1.5/3	Fa, Sp, Su		
	ENGL 2010 (EN) Intermediate College Writing	3	Fa, Sp, Su	ENGL 1010 or AP 3 or ACT 29	
	LIBS 1504 or LIBS 1704 Information Literacy	1	Fa, Sp, Su		
	MATH 1040 (QL) Statistics or MATH 1050 (QL) College Algebra	3 or 4	Fa, Sp, Su	MATH 1010 or ACT 23 or ALEKS placement	
	Total Semester Credits	15.5/17			
Freshman (Semester 2)					
	NET 2300 Introduction to LAN Management	3	Fa, Sp	Co-req NET 2200	• If GPA is 3.0 or higher, apply for a scholarship.
	CS 1400 Programming I	4	Fa, Sp, Su	Co-req CS 1030	
	WEB 1400 Web Page Design and Usability	3	Fa, Sp, Su		
	COMM 2110 (HU) Interpersonal & Small Group Communication	3	Fa, Sp, Su		
	EET 1110 Basic Electronics	2	Fa, Sp,	Co-req MATH 1010	
	Total Semester Credits	15			
Freshman (Optional)					
Sophomore (Semester 3)					
	NET 2415 Cisco TCP/IP Routing Protocols and Routing Configuration	3	Fa	NET 2300 or CS 2705	• Meet with an academic advisor
	NET 2210 Linux Systems Administration	3	Fa	NET 2200	
	CS 2130 Computational Structures	4	Fa, Sp, Su	CS 1400	
	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	NET 2415	• Complete all AAS Degree Requirements • Apply for graduation with an AAS degree in Network Management Technology
	CS 2550 Introduction to Database Design and SQL	4	Fa, Sp, Su	CS 1030	
	CS 2810 Computer Architecture/Organization	4	Fa, Sp, Su	CS 1400 and NET 2300	
	PS 3250 Business Communication	3	Fa, Sp, Su	ENGL 2010	
	ECON 1010 (SS) Economics as a Social Science	3	Fa, Sp, Su		
	Total Semester Credits	17			
Sophomore (Optional)					
	Minimum AAS Required Credits	63			

☒	Course	Credit Hours	Semester Offered	Pre-Requisite	Milestones & Notes
Junior (Semester 5)					
	NET 3310 Network Server Administration	3	Fa	NET 2300	• Meet with an Advisor
	CS 3030 Scripting Languages	4	Fa	CS 1400 & CS 2705 or CS 1400 & NET 2210	
	WEB 3400 LAMP Stack Web Development	3	Fa, Sp	NET 2210	
	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 2300	• Double Dip with one general education course LS or PS or CA or HU or SS to fulfill the Diversity (DV) requirement • Classes in red should be taken together
	NET 3710 Switching & Transmission Network Systems Management	3	Fa, Sp	NET 2300, co-req NET 3715	
	NET 3715 Transmission Network Applications	2	Fa, Sp	NET 2300, co-req NET 3710	
	Social Science (SS)/Diversity (DV) 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	NET 2300 or WEB 2300	• Meet with Advisor • Begin looking for an internship
	NET 3720 Advanced Transport Media	3	Fa	NET 2300	
	NET 3730 Cyber Policy and Ethics	3	Fa	NET 3710, CS 1030	
	CS 3705 Protocol Analysis	4	Fa	CS 2705 or NET 2435	
	Total Semester Credits	15			
Senior (Semester 8)					
	NET 4700 Data & Voice Network Design	4	Sp	CS 3720 and CS 2130	• Classes in red should be taken together • Complete all BS Requirements • Apply for Graduation in Network Management Technology.
	NET 4740 Security Vulnerabilities & Attack Prevention	4	Sp	MATH 1040, CS 2130, PS 3250, CS 3705	
	NET 4760 Network/Telecommunications Internship	3	Fa, Sp, Su	Co- req NET 4700 & NET 4790	
	NET 4790 Network/Telecommunications Senior Project	2	Fa, Sp, Su	Co-req NET 4700 & NET 4790	
	Physical Science (PS) Elective	3	Fa, Sp, Su		
	Total Semester Credits	16			
	Total Bachelor Degree Credits	120			

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).

NMT Advisors: weber.edu/nmt Student Resources tab
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