

Network Administration and Security – Moorhead Campus  
Associate of Applied Science 60 Credits  
Fall 2017

Student:  
Advisor:

**Semester 1 Recommendations**

Course	Course Title	Credits	Completed/Notes
ENGL1101	College Writing 1		
COMM1120	Introduction to Public Speaking		
CSCI1110	Informatics		
CPTR1106	Microcomputer Databases		
CPTR1122	Microcomputer Maintenance		

**Semester 2 Recommendations**

Course	Course Title	Credits	Completed/Notes
CPTR1001	Intro to Programming and Scripting		
CPTR1108	Cisco 1		
CPTR2272	Network Operating Systems		
MnTC elective			
MnTC elective			

**Semester 3 Recommendations**

Course	Course Title	Credits	Completed/Notes
CPTR2224	Linux 1		
CPTR1118	Cisco 2		
CSEC2204	Managing Directory Services		
HUM 2236	Technology in the Humanities		
Tech Elective	The list of approved technical electives is below.		

**Semester 4 Recommendations**

Course	Course Title	Credits	Completed/Notes
CSEC2210	Security Breaches & Countermeasures		
CPTR2245	Enterprise Network Technologies		
CPTR2236	Network Security*		
CSEC2228	Network Defense		
Tech Elective	The list of approved technical electives is below.		

Notes:

\* Student must complete CPTR 2272 Network Operating System before registering for this class.

Technical Elective list

CPTR1170 - Web Engineering I  
CPTR1178 – Robotics  
CPTR2200 - CISCO 3  
CPTR2208 - CISCO 4  
CPTR2230 - Structured Query Language  
CPTR2234 - Linux II  
CPTR2250 - IT Supervised Occupational Experience

CPTR2260 - Advanced Structured Query Language  
CPTR2294 – Internship  
CPTR2296 - Topics in Computers  
CSCI1121 - Computer Science I  
CSCI1122 - Computer Science II  
CSEC2212 - Web Security  
CVNP2212 - Voice Over IP and IP Telephony

Web Sites:

<http://www.minnesota.edu>  
<http://brazil.minnesota.edu>

MSUM Operations and Project Management MnTC Class Recommendations

CHEM 1100 – Fundamental Concepts of Chemistry or  
PHYS 1105 – Fundamental Concepts in Physics  
ECON 2222 – Microeconomics  
MATH 1114 – College Algebra

MATH 1213 – Introduction to Statistics