

STUDENT NAME _____ DATE _____

**Network and Wireless Technologies: CISCO Track A.A.S. at MC to
B.S. IN COMPUTER NETWORKING AND SECURITY AT UMUC**

This worksheet is designed to help you plan and track your progress toward your degrees. For full course descriptions, please refer to the current undergraduate *Catalog*.

Courses taken at Montgomery College
Changes in recommended courses may affect other elements of the degree plan. Lower level equivalents of UMUC upper level courses fulfill content requirements but not upper-level minimum credit requirements

 UMUC
Equivalent
Course

UMUC GenEd Requirement	GENERAL EDUCATION REQUIREMENTS (GenEd) (22 credits)	
English Writing GenEd	EN 101 Techniques of Reading and Writing I (3)	
WRTG 101 Writing GenEd	EN 102 or EN 109 (3) <i>English foundation course</i>	WRTG 101
Mathematics GenEd	MA 110 Survey of College Mathematics (3) <i>Or more advanced math. Mathematics foundation course</i>	MATH 106
Speech/writing GenEd	SP 108 or SP 112 (3) <i>Speech foundation course</i>	
First arts and humanities GenEd	AR 107, AR 108, or any HS (3) <i>Recommended arts or humanities distribution course</i>	
First social and behavioral sciences GenEd	Behavioral and social sciences distribution (3)	
Biological and physical science with lab GenEd	Natural sciences distribution with lab (4)	
INTERDISCIPLINARY AND EMERGING ISSUES (1 credit)		
Health foundation course (1)		
PROGRAM REQUIREMENTS (21 credits)		
NW 101 Introduction to Wireless Technologies (3) <i>First computing GenEd course</i>		
NW 127 Microcomputer Control Programs (3)		
NW 130 Network Cabling Technology (3)		
◆ NW 140 Microcomputer Configuration and Installation (3) <i>Required foundation course for major</i>		◆ CMIT 202
◆ NW 151 Introduction to Networking (3) <i>Required foundation course for major</i>		◆ CMIT 265
NW 170 Network Operating Systems (3)		
◆ NW 173 Network Security (3) <i>Required core course for major</i>		◆ CMIT 320
CISCO TRACK (16 credits)		
◆ NW 252 Cisco Networking 2 (3) <i>Supplemental major course</i>		◆
NW 253 Cisco Networking 3 (3)		
◆ NW 254 Cisco Networking 4 (3) <i>Required core course for major</i>		◆ CMIT 350
Technical Elective (4) <i>Any NW</i>		
Technical Elective (3) <i>Any NW</i>		
Credits transferred: 60 credits		
Note: Up to 70 credits may be transferred from Montgomery College – meet with a UMUC adviser to discuss additional MC credits		

SEQUENCE at UMUC

*Courses are listed in the order in which students should take them.
Changes in courses and order may affect other elements of the degree plan.*

NOTES

ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (9 credits) If requirement is completed in degree at community college, these credits may be used for electives		
Biological and physical sciences GenEd	NSCI 100 or ASTR 100 (3) <i>Or other 3-credit biological/physical science</i>	
Second social and behavioral sciences GenEd	ANTH 344 (3) <i>Or other behavioral/social science GenEd course from a second discipline</i>	UL
Second arts and humanities GenEd	HUMN 351 or PHIL 315 (3) <i>Or other upper-level arts/humanities GenEd course from a second discipline</i>	UL
EMERGING ISSUES (4 credits)		
LIBS 150 (1) <i>GenEd course</i>		
IFSM 201 or CMST 303 (3) <i>Second computing GenEd course</i>		
ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (18 credits)		
◆ CMIT 368 (3) <i>Required core course for major</i>		UL
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>		UL
◆ CMIT 364 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 321 (security specialization) or CMIT 391 (CISCO specialization) or any upper-level CMIT course</i>		UL
◆ CMIT 376 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 331 (security specialization) or CMIT 450 (CISCO specialization) or any upper-level CMIT course</i>		UL
◆ CMIT 377 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 391 (security specialization) or CMIT 499E (CISCO specialization) or any upper-level CMIT course</i>		UL
◆ CMIT 378 (<i>Microsoft specialization</i>) (3) <i>Or CMIT 425 (security specialization) or CMIT 499F (CISCO specialization) or any supplemental course (any CMIT, CMIS, CMSC, CMST, CSIA, IFSM).</i>		UL
CAPSTONE COURSE FOR MAJOR (3 credits) To be taken after all other courses for the major		
◆ CMIT 495 (3) <i>Required capstone course for major</i>		UL
MINOR OR ELECTIVES (15 credits, at least 9 credits upper-level for minor)		
See requirements of individual minor.		UL
Recommended minors: computing, English, mathematics		UL
		UL
		UL
ADDITIONAL ELECTIVES (11 credits)		
Choose any courses to meet 120 credits for degree. Note upper-level requirements.		UL
Recommended: IFSM 304, WRTG 490 and MATH 140 (for those continuing to graduate school. Note prerequisite of MATH 108 or MATH 115)		UL
TOTAL: 120 CREDITS		
CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.		
<input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 upper level credits. <input type="checkbox"/> 45 upper-level credits, including half the credit for the major and the minor. <input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor. <input type="checkbox"/> Prerequisites for major and minor courses, if needed.	<input type="checkbox"/> All General Education Requirements. <input type="checkbox"/> Grade of C or better in all courses for the major and minor. <input type="checkbox"/> Overall GPA of at least 2.0. <input type="checkbox"/> At least half the credit for the major earned through graded coursework. <input type="checkbox"/> Total 120 credits.	
NOTES:		