



2014 -2015 STEM META MAJOR

ASSOCIATE IN SCIENCE (AS) IN NETWORK SYSTEMS TECHNOLOGY DEGREE MAP

Meta-majors are academic pathways to help you meet your educational goals. Included below is a sample schedule for a full-time in college student on an Associate of Science degree track in Network Services Technology. While you may not be a full-time student, you are responsible for completing the “Mandatory Hourly Requirements” on the right. Registration holds will be placed on students who do not meet the “Mandatory Hourly Requirements” and those students will be required to see an advisor. Students are encouraged to take Summer classes when available. Please be advised that not all types of financial aid will cover the cost of summer semester courses.

COURSE RECOMMENDATIONS ARE BASED ON GENERAL COURSE REQUIREMENTS.

SAMPLE FULLTIME SCHEDULE

TERM 1 - FALL SEMESTER	Suggested Courses
1 st Gen Ed Communications Course	ENC1101
Program Requirement Course	CGS1000
Program Requirement Course	CGS1060
Program Requirement Course	CGS1555
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	12 HOURS

TERM 2 - SPRING SEMESTER	Suggested Courses
Any Gen Ed Math Course	*
Program Requirement Course	CTS1134
Program Requirement Course	CTS1131
Program Requirement Course	CET1600
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	24 HOURS

TERM 3 – SUMMER (optional)	Suggested Courses
Program Requirement Course	Any Program Course in Summer
Any Gen Ed Course	*
TOTAL SEMESTER HOURS	OPTIONAL

TERM 4 - FALL SEMESTER	Suggested Courses
2 ND Gen Ed Communications Course	ENC1102/ENC1141 OR MMC1100
Program Requirement Course	CET1610
Program Requirement Course	CGS2560
Program Requirement Course	CNT2401
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	36 HOURS

TERM 5 - SPRING SEMESTER	Suggested Courses
Program Requirement Course	CET2615
Program Requirement Course	CTS2132
Program Requirement Course	CTS2351
Program Requirement Course	CET2370
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	48 HOURS

MANDATORY HOURLY REQUIREMENT

Before 15 Completed Credit Hours
ENC1101
Receive IC3 certification
Attend First Semester Advising Workshop
Meet with an Advisor
Declare a Meta-Major
Overall 2.0 TCC GPA or higher to graduate

Before 18 Completed Credit Hours
Overall 2.0 TCC GPA or higher to graduate
Receive CompTIA Network+ certification
Receive CompTIA A+ Part I certification

Before 30 Completed Credit Hours
ENC1102
Visit Career Center
Overall 2.0 TCC GPA or higher to graduate

Before 36 Completed Credit Hours
Receive CCNA certification
Receive CompTIA Security+ certification

Before 45 Completed Credit Hours
Attend Graduation Check Workshop
Receive CompTIA A+ Part II certification
Receive VMware VCA-DCV/VCP-DCV certification
Meet with Career Placement Coordinator in TCC Career Center
Overall 2.0 TCC GPA or higher to graduate

TERM 6 – SUMMER (optional)	Suggested Courses
Any Gen Ed Course	*
Program Requirement Course	Any Program Course in Summer
TOTAL SEMESTER HOURS	OPTIONAL

TERM 7 - FALL SEMESTER	Suggested Courses
Program Requirement Course	CET2620
Program Requirement Course	MAN2021 or IDS2941
Any Gen Ed Humanities Course	*
Any Gen Ed Social Science Course	*
TOTAL SEMESTER HOURS	12 HOURS
COMPLETED HOURS	63 HOURS TO GRADUATE

LAST SEMESTER
*** Apply for Graduation!***
Receive CCNA certification
Overall 2.0 TCC GPA or higher to graduate

NOTE: This program will begin accepting new students in spring semester, 2015.

*Please refer to the [TCC Catalog](#) for specific courses that meet this requirement.

** Courses count towards multiple certificates

While working on the A.S. in Network Services Technology, you can also earn the Certificates on the following page.

Information Technology Certificate (21 hours)

- CGS1000 Introduction to Computer Technology
- CGS1060 Computer and Internet Literacy
- CGS1555 Internet
- CGS1560 Introduction to Operating Systems
- CNT1000 Introduction to Networks and Telecommunications
- CNT1500 Computer Networking, Cabling & Troubleshooting
- CTS1131 Microcomputer Architecture

Information Technology Management Certificate (30 hours)

- CGS1000 Introduction to Computer Technology
- CGS1060 Computer and Internet Literacy
- CGS1555 Internet
- CGS1560 Introduction to Operating Systems
- CNT1000 Introduction to Networks and Telecommunications
- CNT1500 Computer Networking, Cabling & Troubleshooting
- CTS1131 Microcomputer Architecture
- MAN2021 Introduction to Management
- CET2540 Open Systems Architecture I
- CET2541 Open Systems Architecture II

Networking Services Technology Certificate (33 Hours)

- CGS1060 Computer and Internet Literacy
- CGS1555 Internet
- CNT1000 Introduction to Networks and Telecommunications
- CNT1500 Computer Networking, Cabling & Troubleshooting
- CTS1131 Microcomputer Architecture
- CET2540 Open Systems Architecture I
- CET2541 Open Systems Architecture II
- CNT2401 Introduction to Network Security
- CTS2106 Introduction to Unix (or approved substitute)
- CTS2351 network Administration and Management
- CTS2352 Advanced Network Administration

Network Services Technology, A.S. (63 Credit Hours)

MAJOR	OCCUPATION(S)	ACADEMIC DEGREE(S)
Health Information Technology, AS	Health Information Technician	C, A
	Medical Records Technician	C, A
	Medical Office Staff	C, A
	Medical Office Manager	C, A
	Medical Billing and Coding Specialist	C, A
Dental Hygiene	Dental Hygienist	A, B
	Dental Hygienist, Mobile Coordinator	A, B
	Dental Hygienist, Education Coordinator	A, B
	Public Health Manager, Dental Sealant Programs	A, B
	Dental Assistant	C, A
Emergency Medical Services (EMS), AS	Emergency Medical Technician	C, A
	Paramedic	C, A
	EMT/Driver	C, A
	EMT/Dispatcher	C, A
	Multi-Care Technician	A
Surgical Technology Specialist, AS	Certified Surgical Technologist	A
	Surgical Technology Instructor	A
	Clinical Surgical Simulator Technologist	A
	Sterile Processing Manager/Coordinator	A
	Tissue Bank Coordinator	A
Radiologic Technology	Radiologic Technologist	A, B, M
	Clinical Instructor	A, B, M
	CT Technologist	A, B, M
	Mammographer	A, B, M
	MRI Technologist	A, B, M
Respiratory Care Sciences	Registered Respiratory Therapist	A, B, M
	Pulmonary Rehabilitation Therapist	A, B, M
	Pharmaceutical Salesperson	A, B, M
	Clinical Instructor	A, B, M
	Neonatal-Pediatric Respiratory Therapist	A, B, M
Nursing (RN & BSN)	Registered Nurse (RN)	A, B
	Public Health Nurse	A, B
	Charge Nurse	A, B
	School Nurse	A, B
	Medical Office Supervisor	A, B
Occupational Therapy	Occupational Therapy Aide	A, B, M
	Occupational Therapy Assistant	A, B, M
	Behavioral Specialist	A, B, M
	Health and Safety Technician	A, B, M
	Occupational Therapist	M
Pharmacy	Pharmacy Aide	C, A, B, M
	Pharmacy Technician	C, A, B, M
	Inventory Specialist	C, A, B, M
	Compounding Technician	A, B, M
	Pharmacist	D
Funeral Services	Funeral Director	A, B, M
	Funeral Arranger	A, B, M
	Mortician	A, B, M
	Embalmer	A, B, M
	Funeral Consultant	A, B, M

C Certificate
 A Associate's Degree
 B Bachelor's Degree
 M Master's Degree