About This Emphasis . . .

Students enrolled in Technology Integration learn a multitude of skills to help prepare them to enter a variety of careers related to computer systems, computer system administration and networking, electronics, and telecommunications engineering. Students begin the program studying basic core classes including communications, DC/AC circuitry, information technology hardware and software, and Cisco Systems Network training.

In the second year, students select an area of emphasis from three choices – telecommunications engineering, network technician, or certified electronics technician. The course work in this associate of applied science program is aligned with national and international certifications including Cisco, A+/N+, CET, and Convergent Technology Professional (CTP), and Voice over Internet Protocol (VoIP). Program content has been structured to give a basic education to all graduates entering this field. Emphasis has been placed on providing a common core of training for all students due to the convergence of the communication industries.

Network Technician coursework teaches students valuable Internet technology skills, including networking, Web design, IT Essentials, Cabling, Java and UNIX. The curriculum covers a broad range of topics from basics on how to build a network to how to build a website and more complex IT concepts such as applying advanced troubleshooting tools.

POLICIES:
1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the WCCC for signature.
5. Finally, the WCCC or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

NAME: _____   **STUDENT ID #** _____

LOCAL ADDRESS AND PHONE NUMBER: _____

_____   (   ) _____

I, (Signature) _____, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

_____   _____20_____
Signature of Advisor   Date

_____   _____20_____
Signature of WCCC   Date

_____   _____20_____
Signature of Registrar   Date

Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 2.00 cumulative GPA or higher in all MSC coursework and a "C" or better must be achieved in each course which comprises the area of emphasis or specialization for TECI.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head. Courses related to teacher licensure must also be approved by the Teacher Education Dept.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (18 Semester Hours)
See the current Mesa State College catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the general education requirement.

Course No Title	Sem.hrs	Grade	Term/Trns
English (6 semester hours)			
ENGL 111 English Composition	3	_____	_____
ENGL 112 English Composition	3	_____	_____
Math: (4 semester hours)			
MATH 108 Technical Mathematics	4	_____	_____
Social and Behavioral Sciences, Humanities, or Selected Speech Courses (6 semester hours)			
_____ ____ _____	3	_____	_____
_____ ____ _____	3	_____	_____

Course No Title	Sem.hrs	Grade	Term/Trns
Kinesiology (2 semester hours)			
KINE 100 Health and Wellness	1	_____	_____
KINA 1____ _____	1	_____	_____

ASSOCIATE OF APPLIED SCIENCE: TECHNOLOGY INTEGRATION – NETWORK/TELECOMMUNICATION TECHNICIAN REQUIREMENTS
(49 semester hours)
Core Classes

Course No Title	Sem.hrs	Grade	Term/Trns
TECI 117 DC Passive Circuits	3	_____	_____
TECI 118 AC Passive Circuits	3	_____	_____
TECI 132 Intro to IT Hardware and System Software	3	_____	_____
TECI 170 Intro to Communications	3	_____	_____
TECI 180 Cisco Networking I	3	_____	_____
TECI 185 Cisco Networking II	4	_____	_____
TECI 230 Cisco Networking III	4	_____	_____
TECI 235 Cisco Networking IV	4	_____	_____
TECI 260 Information Technology Hardware & System Software	3	_____	_____
TECI 260L Information Technology Hardware & System Software Lab	1	_____	_____
TECI 265 Advanced IT Hardware & System Software	3	_____	_____
TECI 265L Advanced IT Hardware & System Software Lab	1	_____	_____
TECI 290 Certification:	2	_____	_____
TECI 292 Capstone in Technical Engineering and Economics	4	_____	_____
TECI 110 Applied Physics	3	_____	_____
TECI 251 Personal and Professional Leadership Development	2	_____	_____
TECI 240 VoIP Fundamentals	3	_____	_____

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN TECHNOLOGY INTEGRATION, EMPHASIS IN NETWORK/TELECOMMUNICATION TECHNICIAN

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with their advisor and check the 2 year course matrix on the Mesa State website for course availability.

First Semester		Hours
ENGL 111	English Composition	3
MATH 108	Technical Mathematics	4
TECI 132	Intro to IT Hardware & Sys Software	3
TECI 170	Introduction to Communications	3
TECI 180	Cisco Networking I	3
KINA	Activity	1
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Second Semester		Hours
TECI 110	Applied Physics	3
KINE 100	Health and Wellness	1
TECI 117	DC Passive Circuits	3
TECI 118	AC Passive Circuits	3
TECI 185	Cisco Networking II	4
TECI 251	Personal/Professional Leadership Dev.	2
		16

Third Semester		Hours
ENGL 112	English Composition	3
General Education Soc/Beh. Sci, Humanities, or Speech		3
TECI 230	Cisco Networking III	4
TECI 240	VoIP Fundamentals	3
TECI 260	Info Tech Hardware/System Software	3
TECI 260L	Info Tech Hardware/Sys Software Lab	1
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Fourth Semester		Hours
General Education Soc/Beh. Sci, Humanities, or Speech		3
TECI 235	Cisco Networking IV	4
TECI 265	Adv. IT Hardware & Sys Software	3
TECI 265L	Adv. IT Hardware & Sys Software Lab	1
TECI 290	Certification:	2
TECI 292	Capstone in Tech Engineering/Economics	4
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