



2015-2016 PETITION/PROGRAM SHEET

Degree: Associate of Applied Science

Major: Technology Integration

Emphasis: Network/Telecommunication Technician

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.

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).

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.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/wccc/programs.html.

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

- 1. Apply business communication using listening, verbal and written, and electronic forms that are needed for entry level employment. (Communication Fluency)
2. Apply Mathematical and applied physics concepts for industry to meet employment requirements. (Quantitative Fluency)
3. Research, evaluate, synthesize and apply information/data relevant to business, sciences, and technical careers. (Critical Thinking)
4. Demonstrate knowledge of terminology, symbols, business practices, and principles and application of associated technical skills. (Specialized Knowledge)
5. Perform the necessary applied skill sets to fulfill the needs of entry level employment. (Applied Learning)
6. Demonstrate ethical, civic, and work place responsibility as part of professional behavior. (Specialized Knowledge)

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 have read and understand the policies listed on the last page of this 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.

Signature of Advisor \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_

Signature of Department Head \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_

Signature of Registrar \_\_\_\_\_ Date \_\_\_\_\_ 20\_\_

**DEGREE REQUIREMENTS:**

- Minimum of 62 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all CMU coursework and a “C” or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student’s responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student’s faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

**ESSENTIAL LEARNING REQUIREMENTS** (Minimum 16 semester hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning 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 Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor’s degrees) cannot be used as options for the below requirements.

Course No	Title	Sem.hrs	Grade	Term/Trns
<b>Communication</b> (6 semester hours)				
ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____
<b>-OR-</b>				
ENGL 111	English Composition <b>and</b>	3	_____	_____
SPCH 101	Interpersonal Communication <b>or</b>	3	_____	_____
SPCH 102	Speechmaking	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term/Trns
<b>Mathematics:</b> (Minimum 3 semester hours)				
MATH 108	Technical Mathematics (or higher)	4	_____	_____
<b>Social Sciences, Natural Science, Fine Arts or Humanities</b> (Minimum 6 semester hours)				
_____	_____	3	_____	_____
_____	_____	3	_____	_____
<b>WELLNESS REQUIREMENT</b> (2 semester hours)				
KINE 100	Health and Wellness	1	_____	_____
KINA 1	_____	1	_____	_____

**ASSOCIATE OF APPLIED SCIENCE: TECHNOLOGY INTEGRATION – NETWORK/TELECOMMUNICATION**

**TECHNICIAN REQUIREMENTS**

(44 semester hours)

**Core Classes**

PROS 117	Electronics I	3	_____	_____
TECI 132	Intro to IT Hardware and System Software	3	_____	_____
TECI 170	Intro to Communications	3	_____	_____
TECI 180	Cisco Networking I	4	_____	_____
TECI 185	Cisco Networking II	4	_____	_____
TECI 230	Cisco Networking III	4	_____	_____
TECI 235	Cisco Networking IV	4	_____	_____
TECI 245	Security Fundamentals	3	_____	_____
TECI 260	Information Technology Hardware & System Software	3	_____	_____
TECI 265	Advanced IT Hardware & System Software	3	_____	_____
TECI 290	Certification:	1	_____	_____
TECI 292	Capstone in Technical Engineering and Economics	4	_____	_____
TECI 251	Personal and Professional Leadership Development	2	_____	_____
TECI 240	VoIP Fundamentals	3	_____	_____

\*Please see your advisor for requirements specific to this program.

## 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 the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

<b>First Semester</b>	<b>Hours</b>	<b>Second Semester</b>	<b>Hours</b>
MATH 108      Technical Mathematics	4	ENGL 111      English Composition	3
PROS 117      Electronics I	3	Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	3
TECI 132      Intro to IT Hardware & Sys Software	3	KINE 100      Health and Wellness	1
TECI 251      Personal/Professional Leadership Dev.	2	TECI 185      Cisco Networking II	4
TECI 180      Cisco Networking I	<u>4</u>	TECI 260      Info Tech Hardware/System Software	3
	16	KINA            Activity	<u>1</u>
			15

<b>Third Semester</b>	<b>Hours</b>	<b>Fourth Semester</b>	<b>Hours</b>
ENGL 112      English Composition <b>OR</b> SPCH 101/102	3	TECI 235      Cisco Networking IV	4
Essential Learning Social Sciences, Natural Science, Fine Arts, or Humanities	3	TECI 240      VoIP Fundamentals	3
TECI 170      Introduction to Communications	3	TECI 245      Security Fundamentals	3
TECI 230      Cisco Networking III	4	TECI 290      Certification:	1
TECI 265      Adv. IT Hardware & Sys Software	<u>3</u>	TECI 292      Capstone in Tech Engineering/Economics	<u>4</u>
	16		15
			16

### POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. 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.** 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. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. 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.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).