



**2015-2016 PETITION/PROGRAM SHEET**  
**Award: Technical Certificate**  
**Program of Study: Technology Integration**  
**Specialization: Telecommunications VoIP Technician**

**About This Certificate . . .**

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, electronics information technology hardware and software, and Cisco Systems Network training.

Students select an area of specialization from two choices – telecommunications VoIP technician or network technician. The coursework in this certificate is aligned with national and international certifications including Cisco, A+/N+, CET, and Convergent Technology Professional (CTP). 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.

Telecommunications Technician coursework includes networking fundamentals, telephony networking installing and troubleshooting analog and digital phone lines, and fundamental concepts, standards and practices that combine telephony and data networks into convergence networks. This program is designed to help prepare students to work in technical positions in communication fields.

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

All CMU certificate 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 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 \_\_\_\_\_ 20\_\_\_\_  
Date

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

\_\_\_\_\_  
Signature of Registrar \_\_\_\_\_ 20\_\_\_\_  
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 CMU coursework
- “C” or better in each course which comprises the area of emphasis or specialization.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- 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.
- See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

**Technical Certificate: Technology Integration – Telecommunications Technician** (31 Semester Hours)

See the current catalog for a list of courses that fulfill the requirements below.

Course No	Title	Sem.hrs	Grade	Term/Trns
TECI 132	Intro to IT Hardware & System Software	3	_____	_____
TECI 170	Intro to Communications	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term/Trns
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 240	VoIP Fundamentals	3	_____	_____
TECI 251	Personal & Professional Leadership Development	2	_____	_____
TECI 290	Certification:	1	_____	_____
MATH 107	Career Mathematics	3	_____	_____

**SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A PROGRAM OF STUDY IN TECHNOLOGY INTEGRATION – SPECIALIZATION IN TELECOMMUNICATIONS 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 107	Career Mathematics	3	3	TECI 251	Personal & Professional Leadership Dev.	2	2
TECI 132	Intro to IT Hardware & Sys Software	3	3	TECI 230	Cisco Networking III	4	4
TECI 170	Introduction to Communications	3	3	TECI 235	Cisco Networking IV	4	4
TECI 180	Cisco Networking I	4	4	TECI 240	VoIP Fundamentals	3	3
TECI 185	Cisco Networking II	4	4	TECI 290	Certification:	1	1
			<u>17</u>				<u>14</u>

**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).
6. NOTE: Students should consult the Financial Aid Office for eligibility requirements for undergraduate and graduate certificates