



**2017-2018 PROGRAM REQUIREMENTS**  
**Degree: Technical Certificate**  
**Program of Study: Information and Communication Technology**  
**Specialization: Healthcare Information Networking**

**About This Major . . .**

This certificate prepares students for Healthcare ICT jobs by teaching them the special needs of the healthcare industry including the Health Insurance Portability and Accountability Act, Electronic Health Records, the Universal Protocol and how to design, implement, monitor, and troubleshoot networks in healthcare environments. This course complements the Cisco CCNA curriculum and is designed for students who would like to expand their networking abilities by developing specialized healthcare networking skills. Hands-on labs throughout the course help students gain practical experience, including procedural and troubleshooting labs, skills integration challenges, and model building.

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. Describe the concepts and provisions of Electronic Health Records and the Health Insurance Portability and Accountability Act
2. Describe how Information and Communication Technology is used in the Healthcare Industry
3. Describe the unique requirements and solutions for protecting healthcare information and networks.
4. Explain how to support, maintain, and troubleshoot a medical group network.

**Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a certificate. Some courses are critical to complete in specific semesters while others may be moved around. Meeting with an academic advisor is essential in planning courses and discussing the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended certificate.

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a certificate and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

**Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their certificate requirements (for one semester certificates complete in the first week of class):

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

## **INSTITUTIONAL CERTIFICATE REQUIREMENTS**

The following institutional requirements apply to all CMU technical certificates. Specific programs may have different requirements that must be met in addition to institutional requirements.

- Consists of 5-59 semester hours.
- Primarily 100-200 level courses.
- At least fifty percent of the credit hours must be taken at CMU.
- 2.00 cumulative GPA or higher in all CMU coursework.
- A grade lower than “C” will not be counted toward meeting the requirements.
- A course may only be used to fulfill one requirement for each degree/certificate.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed twenty-five percent of the semester credit hours required for a technical certificate.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Certificate Requirements.
- The Catalog Year determines which program sheet and certificate requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See “Requirements for Undergraduate Degrees and Certificates” in the catalog for a complete list of graduation requirements.

## **PROGRAM-SPECIFIC CERTIFICATE REQUIREMENTS**

- 27 semester hours for the Technical Certificate in Information and Communication Technology, Healthcare Information Networking.

## **TECHNICAL CERTIFICATE: INFORMATION AND COMMUNICATION TECHNOLOGY, HEALTHCARE INFORMATION NETWORKING REQUIREMENTS** (27 semester hours, must earn a grade of “C” or better in each course.)

### **Required Courses** (27 semester hours)

- TECI 111 - Healthcare Data Management and Information Systems (3)
- ABUS 128 - Workplace Behavior (3)
- TECI 131 - Principles of Information Assurance (3)
- TECI 132 - Introduction to IT Hardware and System Software (3)
- TECI 142 - Internet of Things (3)
- ABUS 160 - Introduction to Customer Service (3)
- TECI 163 - Convergent Technologies (3)
- TECI 180 - Cisco Networking I (3)
- TECI 185 - Cisco Networking II (3)

## **SUGGESTED COURSE SEQUENCING**

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### **Freshman Year, First Semester: 15 credits**

- TECI 111 - Healthcare Data Management and Information Systems (3)
- ABUS 128 - Workplace Behavior (3)
- TECI 131 - Principles of Information Assurance (3)
- TECI 132 - Introduction to IT Hardware and System Software (3)
- TECI 142 - Internet of Things (3)

### **Freshman Year, Second Semester: 12 credits**

- TECI 180 - Cisco Networking I (3)
- TECI 185 - Cisco Networking II (3)
- ABUS 160 - Introduction to Customer Service (3)
- TECI 163 - Convergent Technologies (3)