

# HEALTH INFORMATION TECHNOLOGY SYSTEMS (GRADUATE CERTIFICATE)

Award: Graduate Certificate  
 Program of Study: Health Information Technology Systems  
 Program Code: 7603

## About This Major . . .

The Graduate Certificate in Health Information Technology Systems prepares health care professionals to support the collection, management, retrieval, exchange, and/or analysis of information in electronic form, in health care and public health organizations. This role functions at an operational level to provide comprehensive management of health care information and its secure exchange between healthcare consumers and providers. These specialists participate in processing, managing and transforming data from information to knowledge. This specialist works within the health care environment interacting with both health care professionals and IT specialists. The informatics specialty maintains the big picture of health care informatics while providing an in-depth perspective of nursing informatics. The ANA Scope and Standards of Nursing Informatics as well as other frameworks such as American Medical Informatics Association’s definition of biomedical informatics and their current work in the development of biomedical informatics competencies and the International Medical Informatics Association’s work on informatics competencies. The following areas of knowledge will be taught in the certificate program: Foundations/Introduction to Healthcare Informatics; Database Management Systems; Information Systems Security and Privacy; Information Systems Life Cycle; Semantic Representation.

## Institutional Graduate Degree Requirements

The following institutional requirements apply to all CMU graduate-level degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- Graduate certificates consist of a minimum of 5 credit hours. Master’s degrees consist of a minimum of 30 credit hours. Doctoral degrees consist of a minimum of 60 credit hours.
- All credits in a graduate program must be minimally at the 500-level.
- At least fifty percent of the credit hours must be taken at CMU.
- Students must achieve a 3.00 cumulative GPA or higher in all CMU coursework.
- Students may not apply coursework with a grade lower than a “B” toward graduation requirements.
- A course may only be used to fulfill one requirement for each degree/certificate.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific 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 “Graduate Degree Requirements (<http://catalog.coloradomesa.edu/graduate-information-programs/degree-requirements>)” in this catalog for a complete list of graduation requirements.
- All policies for graduate certificates are outlined in the Graduate Policies and Procedures Manual (<https://www.coloradomesa.edu/graduate/documents/GraduatePoliciesProcedures.pdf>), which is provided on the Graduate Studies website (<https://www.coloradomesa.edu/graduate>).

## Program Specific Requirements

(15 semester hours)

Code	Title	Semester Credit Hours
HSCI 501	Advanced Health Informatics I - Data Analysis	1
HSCI 506	Advanced Health Informatics II: Project Design and Implementation	2
NURS 502	Health Information Systems	3
NURS 505	Quality Assessment and Improvement in Health Care Settings	3
CISB 500	Management of Information Systems	3
CISB 505	Advanced Project Management	3
Total Semester Credit Hours		15

Course	Title	Semester Credit Hours
<b>First Year</b>		
<b>Summer Semester</b>		
HSCI 501	Advanced Health Informatics I - Data Analysis	1
Semester Credit Hours		1
<b>Fall Semester</b>		
NURS 502	Health Information Systems	3
CISB 505	Advanced Project Management	3
Semester Credit Hours		6
<b>Spring Semester J-Term</b>		
HSCI 506	Advanced Health Informatics II: Project Design and Implementation	2
Semester Credit Hours		2
<b>Spring Semester</b>		
CISB 500	Management of Information Systems	3
NURS 505	Quality Assessment and Improvement in Health Care Settings	3
Semester Credit Hours		6
Total Semester Credit Hours		15

## Advising Process and DegreeWorks

Documentation on the pages related to this program 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 your petition for graduation is denied, it will be your responsibility to apply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.