2016-2017 PETITION/PROGRAM SHEET
Degree: Professional Certificate
Program of Study: Health Information
Technology Systems

About This Certificate . . .

The Professional 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.

All CMU professional certificate recipients are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to the campus-wide student learning outcomes, recipients will be able to:

1. Explores the use of information systems in health care and nursing practice.
2. Reviews the development of an overall framework for analyzing the use of information by organizations along with examples of different types of information systems.
3. Explore selected health informatics projects in clinical settings
4. Evaluate outcomes-based quality assessment and improvement methods in health care
5. Process techniques and tools of project management in the health care setting.
6. Explore the principles of evidence-based medicine in bringing informatics to the bedside.

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.

_____   _____20_____
Signature of Advisor   Date

_____   _____20_____
Signature of the Department Head   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 CMU coursework.
- 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 "Requirements for Undergraduate Degrees and Certificates" in the catalog for additional graduation information.

PROFESSIONAL CERTIFICATE: Health Informatics
(16 semester hours)

Course No	Title	Sem.hrs	Grade	Term
Core Classes				
HSCI 401	Health Informatics I: Data Analysis	2	_____	_____
NURS 408	Health Information Systems	3	_____	_____
NURS 409	Quality Assessment & Improvement in Health Care Settings	3	_____	_____
HSCI 406	Health Informatics II: Project Design & Implementation	2	_____	_____
CISB 470	Management of Information Systems	3	_____	_____
CISB 410	Project Management	3	_____	_____
		16		

SUGGESTED COURSE SEQUENCING FOR A CERTIFICATE IN HEALTH INFORMATICS

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.

FIRST YEAR

Late Summer	Hours
HSCI 401 Health Informatics I: Data Analysis	2
	2

Fall Semester		Hours
NURS 408	Health Information Systems	3
CISB 410	Project Management	3
		6

J-Term & Late Spring	Hours
HSCI 406 Health Informatics II: Project Design & Implementation	2
	2

Spring Semester		Hours
NURS 409	Quality Assessment & Improvement in Health Care Settings	3
CISB 470	Management of Information Systems	3
		6

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: During your final year, you will be required to take a capstone exit assessment/project (e.g,, Major Field Achievement Test).