

MEDICAL INFORMATICS

Associate of Applied Science degree



Program and Career Description:

The Associate of Applied Science in Medical Informatics prepares graduates for career entry into technical computer application positions in the healthcare industry. Students develop technical and non-technical communication skills, tools/application use, legal aspects of medical office technologies, and the nuances of electronic medical record keeping, reimbursement, and billing practices. The Developer option emphasizes health information management through the information technology environment. The Technician option integrates healthcare and information technology. The Medical Coder option focuses on assignment of inpatient and outpatient codes and prepares students to be eligible for coding certifications.

How long is the program?

Medical Informatics (MEDI) program completion requires 4-5 semesters of full time study. Students with applicable prior college credit may be able to complete in less than two years. Students may work with an Advisor to develop a personalized academic plan for part-time study over an extended period. This program is an open enrollment opportunity and may be started during any semester. The prerequisite nature of courses may result in some courses being offered only during specific semesters.

What does the program provide?

The Medical Informatics A.A.S. degree provides the training needed to move rapidly into the healthcare workplace. Possible job titles for completers might include implementation support specialist, implementation manager, technical and software support staff member/trainer and medical coder. Graduates' positions are generally in the following professional job fields: information technology (IT), health information management, clinical informatician, and/or medical coder.

How is the job market?

A.A.S. Medical Informatics graduates will be eligible for employment in a variety of settings including healthcare and IT. Specific job-related supply and demand information is dependent upon the career path selected.

Check out www.jobs4tn.gov website for information about job descriptions, education requirements and abilities, and supply and demand for these careers. For additional information from a national perspective, go to Bureau of Labor Statistics, U. S. Department of Labor on the internet at www.bls.gov. Visit the [Occupational Outlook Handbook](#) on this website. Salaries are not guaranteed.

www.columbiastate.edu/medinfo

Requirements for Graduation include:

- earn 25% of total program credits in residence at Columbia State.
- earn a cumulative GPA of 2.0 or higher.
- take the Exit Exam.

For more information contact:

Bonita R. Payne, MHIIM, RHIA
medicalinformatics@columbiastate.edu
or 931-540-2774
Warf 131A, Columbia Campus

Or

Health Sciences Division Office, Walter 112 (Columbia)
healthsciences@columbiastate.edu
931.540.2599 or 931.540.2600

Columbia State Community College, a Tennessee Board of Regents institution, is an equal opportunity, affirmative action educational institution. CoSCC-MI-AAS-02-01-20



Student ID: _____
 Student Name: _____
 Adviser Name: _____

Catalog: 2020-2021 Catalog and Student Handbook
 Program: Medical Informatics, A.A.S.
 Minimum Credits Required: _____

Medical Informatics, A.A.S.

Major in Medical Informatics (A.A.S.) Option: _____

Sample Academic Plan - Total Credit Hours: 60

Program Requirements - Students may be required to take additional Learning Support courses. Courses cannot be used more than once to satisfy program requirements.

First Year - Fall Semester - Credit Hours: 14

Course Name	Credits:	Term Taken	Grade	Gen Ed
BIOL 2010 - Human Anatomy and Physiology I	Credits: 4			
ENGL 1010 - English Composition I	Credits: 3			
INFS 1010 - Computer Applications	Credits: 3			
ADMN 1306 - Medical Terminology I	Credits: 3			
COLS 101 - Columbia State College Success	Credits: 1			

First Year - Spring Semester - Credit Hours: 16-17

Course Name	Credits:	Term Taken	Grade	Gen Ed
BIOL 2020 - Human Anatomy and Physiology II	Credits: 4			
HIMT 1301 - Introduction to Health Information Management	Credits: 3			
CITC 1303 - Database Concepts	Credits: 3			
(Option 1*) CITC 1301 - Introduction to Programming and Logic OR (Option 2**) CITC 1320 A+ Hardware and Software OR (Option 3***) HIMT 1401 Disease Processes Credits: 4	Credits: 3			
⁵ General Education - Social/Behavioral Science Requirement (highly recommend PSYC 1030 OR PSYC 2130)	Credits: 3			

Second Year - Fall Semester - Credit Hours: 15

Course Name	Credits:	Term Taken	Grade	Gen Ed
CITC 1300 - Beginning HTML & CSS	Credits: 3			
CITC 1333 - Linux LPIC-1	Credits: 3			
CITC 2340 - Advanced Database Concepts & Programming	Credits: 3			
HIMT 1302 - HIM Legal Aspects	Credits: 3			
(Option 1*) CITC 1313 - .Net Programming (TN eCampus Course) OR (Option 2**) CITC 1323 CCNA I OR (Option 3***) HIMT 1303 Basic ICD Coding I	Credits: 3			

Second Year - Spring Semester - Credit Hours: 14-15

Course Name	Credits:	Term Taken	Grade	Gen Ed
ADMN 2318 - Medical Office Procedures	Credits: 3			
HIMT 1305 - Computer Applications in Health Information	Credits: 3			
(Option 1*) CITC 2361 - Advanced Web Design and Development OR (Option 2**) CITC 1324 CCNA II OR (Option 3***) HIMT 2303 Advanced Coding	Credits: 3			
(Option 1* and Option 2**) MEDI 2312 - Medical Informatics Internship OR (Option 3***) MEDI 2212 Medical Informatics Internship Credits: 2	Credits: 3			
² General Education - Humanities/Fine Arts Requirement	Credits: 3			

Note(s):

Select from:

- *Option 1: Medical Informatics Developer
- **Option 2: Medical Informatics Technician
- ***Option 3: Medical Informatics Coder

²**Humanities/Fine Arts Requirement** - Select from ART 1035, ART 2000, ART 2020, ENGL 2160, ENGL 2320, ENGL 2860, HUM 1010, HUM 1020, MUS 1030, PHIL 1030, PHIL 1040, PHIL 2200, THEA 1030. **Literature Options:** ENGL 2055, ENGL 2130, ENGL 2235, ENGL 2310, ENGL 2320.

⁵**Social/Behavioral Science Requirement** - Select from ANTH 1230, ANTH 1430, COMM 1010, ECON 2100, ECON 2200, GEOG 2010, PHED 2120, POLS 1010, POLS 1030, POLS 2025, POLS 2035, PSYC 1030, PSYC 2130, SOCI 1010, SOCI 1040, SOCI 2010.

Students and advisors should run a degree audit from myChargerNet each semester to confirm classes are applicable to the program of study.

This program is designed for career-entry. However, some universities may accept some or all of the course work for transfer. Transfer credit is awarded at the discretion of the receiving institution. Students are advised to inquire directly with advisors at the university level regarding expectations for transfer.

For more information contact:

Bonita R. Payne, MHIIM, RHIA at medicalinformatics@columbiastate.edu or 931-540-2774, Warf 131A, Columbia Campus Health Sciences Division Office, Walter 112 (Columbia) healthsciences@columbiastate.edu or 931.540.2599 or 931.540.2600