

# MEDICAL INFORMATICS

## Associate of Applied Science degree



### Program and Career Description:

The Associate of Applied Science in Medical Informatics prepares graduates for career entry in computer technician positions in healthcare settings. 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 concentration emphasizes health information management in the information technology environment. The Technician concentration integrates healthcare and information technology.

### 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 and trainer. Generally, positions fall into three job fields: Information Technology professional, health information management professional and clinical informatician.

### How is the job market?

Graduates of the A.A.S. degree in Medical Informatics will be eligible for employment in various medical settings. Specific job-related supply and demand information is dependent upon the career path selected. Job related career and salary information for the chosen career field may be accessed via [www.bls.gov](http://www.bls.gov). Health Science fields are projected to be among the top ten growing occupational areas for the foreseeable future based on both state and national employment projections.

### Transfer Options

The Medical Informatics associate of applied science degree 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.

[www.columbiastate.edu/medinfo](http://www.columbiastate.edu/medinfo)



# MEDICAL INFORMATICS

## Major in Medical Informatics (A.A.S.)

### Program Requirements

Communications Requirement  
ENGL 1010

Humanities/Fine Arts (Take 1 course)  
ART 1035, 2000, 2020  
ENGL 2055, 2130, 2160, 2235, 2310, 2320, 2860  
HUM 1010, 1020  
MUS 1030  
PHIL 1030, 1040, 2200  
THEA 1030

Natural Science Requirement (Take both courses)  
BIOL 2010 **and** BIOL 2020

Social/Behavioral Sciences (Take 1 course)  
PSYC 1030 **or** PSYC 2130

Major Required Courses  
ADMN 1306, 2318  
CITC 1300, 1303, 1333, 2340, 2390  
COLS 101  
HIMT 1301, 1302, 1305  
INFS 1010

Option 1: Medical Informatics Developer  
CITC 1301, 1313\*, 2361

Option 2: Medical Informatics Technician  
CITC 1320, 1323, 1324

\*TN eCampus course.

If you have completed TN eCampus courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

#### Requirements for Graduation include:

- Earn 25% of total program credits in residence at Columbia State.
- Earn a GPA of at least 2.0 in program courses.
- Earn a cumulative GPA of 2.0 or higher.
- Take the Exit Exam required by Columbia State.

2018-2019 Catalog Draft

### Sample Academic Plan

#### First Year – Fall Semester

___ BIOL 2010	Human Anatomy & Physiology I	4
___ ENGL 1010	English Composition I	3
___ INFS 1010	Computer Applications	3
___ ADMN 1306	Medical Terminology I	3
___ Humanities/Fine Arts Requirement		3
___ COLS 101	Columbia State College Success	1
		<b>17</b>

#### First Year - Spring Semester

___ BIOL 2020	Human Anatomy & Physiology II	4
___ HIMT 1301	Intro to Health Information Management	3
___ CITC 1303	Database Concepts	3
___ CITC 1313*	(Option 1) Net Programming <b>or</b>	
___ CITC 1320	(Option 2) A+ Hardware and Software	3
___ Social/Behavioral Sciences Requirement		3
		<b>16</b>

#### Second Year - Fall Semester

___ CITC 1300	Beginning HTML and CSS	3
___ CITC 1333	Linux LPIC-1	3
___ CITC 2340	Adv. Database Concepts & Programming	3
___ CITC 1301	(Option 1) Intro to Programming & Logic <b>or</b>	
___ CITC 1323	(Option 2) CCNA I	3
___ HIMT 1302	HIM Legal Aspects	3
		<b>15</b>

#### Second Year - Spring Semester

___ ADMN 2318	Medical Office Procedures	3
___ CITC 2390	CITC Capstone	3
___ CITC 2361	(Option 1) Adv. Web Page Design & Dev. <b>or</b>	
___ CITC 1324	(Option 2) CCNA II	3
___ HIMT 1305	Computer Applications in Health Information	3
		<b>12</b>

**TOTAL CREDIT HOURS 60**

#### For more information contact:

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

Or

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