

# HEALTH INFORMATICS TECHNOLOGY AND MANAGEMENT, BACHELOR OF SCIENCE (BS)

The Health Informatics Technology and Management Bachelor of Science degree has been created as an interdisciplinary offering. Students admitted to the program would study a curriculum that blends three disciplines: health services administration, management information systems and computer science. This program is designed to prepare students as health information technology professionals to manage and use health information and emerging electronic information technologies in the healthcare industry. Graduates will be prepared to participate in the design of data schemas for health information systems, in the definition and analysis of requirements for health information systems, in the design, deployment and querying of reporting systems via both direct query and reporting tools for use in administrative, clinical and support areas.

## Major Declaration

Any EWU student who has completed or nearly completed the prerequisite courses may declare a major in HITM.

**Required prerequisites total 10 credits—these are accreditation requirements:** BIOL 100 and MATH 200 (highly recommended before taking business classes).

## Professional Membership Requirements

Every student graduating in the Health Informatics Technology and Management must be a student member of a national professional organization for the discipline at least by their senior year.

## Work Experience Requirement

It is strongly advised that all students seek as much practical experience as possible, whether paid or volunteer. The culmination of the student's experience in the program will be an internship in a healthcare setting. Students are urged to consult with their advisors in order to plan their program.

## Grade Requirements

- Health Informatics Technology and Management students must maintain a cumulative GPA  $\geq 3.0$  for all HSAD, CSCD and MISC classes.
- no more than two courses in HSAD, CSCD and MISC classes may be <B;
- students earning three or more grades <B in HSAD, CSCD and MISC will be dismissed from the program;
- students in the HITM program must have an overall cumulative grade point average  $\geq 2.25$ .

### Fall

DSCI 245	BUSINESS STATISTICS 1	4
HSAD 300	HEALTH CARE ORGANIZATION AND ADMINISTRATION	4
HSAD 315	SEMINAR ON PROFESSIONAL DEVELOPMENT	1
MISC 311	INFORMATION TECHNOLOGY IN BUSINESS	4
PHED 256	MEDICAL TERMINOLOGY	2

### Winter

BUED 302	BUSINESS COMMUNICATION	4
DSCI 346	BUSINESS STATISTICS 2	4
HSAD 310	HEALTH CARE SUPERVISION	4
MISC 372	DATA COMMUNICATION AND NETWORK FUNDAMENTALS	4

### Spring

HSAD 410	HEALTH LAW REGULATION AND ETHICS	4
HUMR 328	HUMAN RESOURCE MANAGEMENT	4
MISC 373	BUSINESS DATABASE APPLICATIONS	4
MISC 374	SPREADSHEET MODELING FOR BUSINESS APPLICATIONS	4

### Fall

HSAD 440	HEALTHCARE RESEARCH DESIGN AND METHOD	4
MISC 481	SYSTEMS ANALYSIS AND DESIGN	4
MISC 488	HEALTH INFORMATION TECHNOLOGY	4

### Winter

HSAD 424	STRATEGIC PLANNING	4
HSAD 435	PROCESS IMPROVEMENT IN HEALTH CARE	4
HSAD 470	HEALTHCARE FINANCE	4
MISC 486	INFORMATION SECURITY MANAGEMENT	4

### Spring

BUED 425	WORKPLACE COMMUNICATIONS USING COMPUTER APPLICATIONS	5
HSAD 490	SENIOR CAPSTONE	4
HSAD 495	INTERNSHIP	5

Total Credits 89

## University Competencies and Proficiencies

English (<http://catalog.ewu.edu/undergraduate-degree/#newitemtext>)

Quantitative and Symbolic Reasoning (<http://catalog.ewu.edu/undergraduate-degree/#mathcompproficienciestext>)

Placement and Clearance Exams (<http://catalog.ewu.edu/placement/>)

Prior Learning/Sources of Credit AP, CLEP, IB (<http://catalog.ewu.edu/prior-learning/>)

## General Education Requirements (<http://catalog.ewu.edu/undergraduate-degree/#generaleducationrequirementsger>) (GER)

- Minimum Credits—180 cumulative credit hours
  - 60 upper-division credits (300 level or above)
  - 45 credits in residence (attendance) at Eastern, with at least 15 upper-division credits in major in residence at Eastern
- Minimum Cumulative GPA  $\geq 2.0$

## Breadth Area Core Requirements (<http://catalog.ewu.edu/undergraduate-degree/#generaleducationcorerequirementsgecrtext>) (BACR)

Humanities and Arts (<http://catalog.ewu.edu/undergraduate-degree/#humanitiesandfineartsgecrtext>)

Natural Sciences (<http://catalog.ewu.edu/undergraduate-degree/#naturalsciencesgecrtext>)

Social Sciences (<http://catalog.ewu.edu/undergraduate-degree/#socialsciencesgecrtext>)

University Graduation Requirements (<http://catalog.ewu.edu/undergraduate-degree/#universitygraduationrequirements>) (**UGR**)  
Diversity Course List (<http://catalog.ewu.edu/undergraduate-degree/#cultureandgenderdiversityintheuslist>)  
Foreign Language (<http://catalog.ewu.edu/undergraduate-degree/#foreignlanguage>) (for Bachelor of Arts)  
Global Studies Course List (<http://catalog.ewu.edu/undergraduate-degree/#internationalstudiesrequirements>)  
Minor or Certificate (<http://catalog.ewu.edu/undergraduate-degree/#majorminororcertificate>)  
Senior Capstone Course List (<http://catalog.ewu.edu/undergraduate-degree/#capstonecourselist>)

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All admitted students must officially Declare a Major (<https://inside.ewu.edu/center-for-academic-advising-and-retention/academic-planning-tools/declare-your-major/>) by the time they reach 90 credits (junior standing).

Application for Graduation (use EagleNET (<https://inside.ewu.edu/eaglenet/>)) must be made at least two terms in advance of the term you expect to graduate (undergraduate and post-baccalaureate).

Use the Catalog Archives (<https://catalog.ewu.edu/archives/>) to determine two important catalog years (<http://catalog.ewu.edu/undergraduate-degree/#activecatalogrule>).

Degree Works (<https://inside.ewu.edu/records-and-registration/degree-works/>) calculates based on these two catalog years.

1. The catalog *in effect at the student's first term* of current matriculation is used to determine **BACR** (Breadth Area Credit Requirements) and **UGR** (Undergraduate Graduation Requirements).
2. The catalog *in effect at the time the student declares a major or minor* is used to determine the program requirements.

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**Students who successfully earn a BS in Health Informatics Technology and Management from EWU should be able to do the following:**

- acquire MIS technical skills, including programming principles, database principles, networking and data communications;
- demonstrate effective written and oral communication skills;
- demonstrate HI project management skills and team skills;
- demonstrate MIS and HSAD project development skills through system analysis and design;
- demonstrate problem-solving abilities by applying MIS technical skills, including business application program design and business database design;
- understand business domain knowledge, such as accounting, finance, marketing, human resource management, logistics and supply chain;
- understand health care administration.