

ASSOCIATE OF APPLIED SCIENCE CIS HEALTH INFORMATICS

Health Informatics is the rapidly developing scientific field that utilizes computer technology in the advancement of health care, and is one of the key components to creating an improved, higher-quality health care system. Individuals who earn this degree will be able to fill a variety of entry-level positions within any health care organization related to the use of technology in the management and delivery of health care services. Health Informatics combines computer

technologies, information science, clinical practice, and business management, and helps coordinate the computer information systems used in hospitals and medical clinics. Health Informatics is the link between management, computer information technologies and medicine. It is the study of health data collection, storage and communication; data processing into health information suitable for administrative and clinical decision making; and computer and

telecommunications technology applied to support these processes.

The Health Informatics Applied Associate of Science Degree is designed for persons interested in working in the health care industry to address the many and varied technology needs within the industry.

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Evaluate, develop, implement, deploy, and maintain a health care information system.
- Design, develop, and manipulate effective databases and select appropriate supporting technological tools.
- Demonstrate the ability to work independently or in a group with sensitivity to the needs of clients and coworkers.
- Demonstrate the skills and knowledge to install, configure, and maintain hardware, software, and network requirements for a health care environment.
- Apply basic accounting and management strategies to manage, lead, and evaluate projects.

GRADUATION REQUIREMENTS

Students must complete a minimum of 99 credit hours with a minimum Grade Point Average (GPA) of 2.0 (C) average or better. All courses in this program must be completed with a 'C' or better. Thirty (30) of the last 45 credits must be earned at Southwestern before the AAS in CIS Health Informatics degree is awarded.



Data processing center, 1972.

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PREREQUISITES

WR90 (3)
Paragraph Fundamentals

CIS120 (4)
Concepts of Computing¹

Reading Score of
ASSET39 COMPASS69

FALL = 18 CREDITS

CIS140 (4)
Introduction to Operating
Systems

CS160 (4)
Computer Science
Orientation

AH111 (3)
Medical Terminology I

PSY201 (3)
General Psychology²

MTH111 (4)
College Algebra

WINTER = 18 CREDITS

CIS125DB (3)
Database Applications

CS161 (4)
Introduction to Computer
Science I

AH112 (3)
Medical Terminology II

CIS240U (3)
Advanced Operating
Systems

HIM110 (5)
Health Information
Management

SPRING = 17 CREDITS

WR121 (3)
English Composition

CS162 (4)
Introduction to Computer
Science II

CS275 (4)
Database Management

(3)
Specific Elective³

HIM182 (3)
Health Care Delivery
Systems

53 CREDITS = FIRST YEAR TOTAL REQUIREMENTS

FALL = 12 CREDITS

CIS244 (3)
Systems Analysis

CIS179 (3)
Introduction to Networks

HIM283 (3)
Health Information
Systems

(3)
Specific Elective³

WINTER = 17 CREDITS

CIS245 (3)
Project Management

BA205 (4)
Solving Communication
Problems with Technology

HIM285 (3)
Healthcare Financing and
Compliance

CS276 (4)
Advanced SQL

(3)
Specific Elective³

SPRING = 17 CREDITS

SP219 (3)
Small Group Discussion⁴

PE231 (3)
Wellness for Life⁵

CIS225 (4)
End User Support

CIS280 (4)
Field Experience

(3)
Specific Elective³

46 CREDITS = SECOND YEAR TOTAL REQUIREMENTS

99 CREDITS = TOTAL PROGRAM REQUIREMENTS

PROGRAM NOTES

¹CIS120 or demonstrated proficiency in Computer Literacy.

²PSY201 meets the AAS Human Relations Requirement.

³AAS CIS Health Informatics Specific Electives: Select four (4) courses

from CIS278, 279, 188, WR122, 214 or 227, OA2591, BI231, 232, 233, BA211, BA224.

⁴SP100, SP111, SP112, SP217, SP218, or SP220 may be substituted for SP219.

⁵HE250 or three credits of PE185 may be substituted to meet this requirement.

**Some CS/CIS/HIM courses may be offered only online.

**CS/CIS coursework meets the AAS Computer Literacy requirement.