****

# College of Health & Human Sciences Four-Year Plan: Health Care Information Systems, B.S.

2025-2026 Catalog Year

## First Year Fall Semester (16 credits)

| Course | Credits |
| --- | --- |
| Written Communication General Studies (1 of 2) | 3 |
| Quantitative Literacy General Studies – MTH 1210 Recommended\*\* | 4 |
| Historical General Studies – GD Recommended\* | 3 |
| Social & Behavioral Science General Studies (1 of 2) – ESSJ Recommended\* | 3 |
| Oral Communication General Studies | 3 |

## First Year Spring Semester (14 credits)

| Course | Credits |
| --- | --- |
| Written Communication General Studies (2 of 2) | 3 |
| Arts & Humanities General Studies (1 of 2) | 3 |
| Natural & Physical Science General Studies (1 of 2) | 3 |
| General Elective – CIS 1010 Recommended\*\*\* | 3 |
| General Elective | 2 |

## Second Year Fall Semester (15 credits)

| Course | Credits |
| --- | --- |
| CIS 2010 Foundations of Information Systems\*\*\* | 3 |
| Natural & Physical Science General Studies (2 of 2) | 3 |
| Social & Behavioral Science General Studies (2 of 2) | 3 |
| Arts & Humanities General Studies (2 of 2) | 3 |
| General Elective – ACC 2010 Recommended ‡ | 3 |

## Second Year Spring Semester (15 credits)

| Course | Credits |
| --- | --- |
| CIS 2110 Structure Problem Solving in Information Systems | 3 |
| HCM 3150 Health Care Organization and Management | 3 |
| HCM 3030 Health Care Jurisprudence | 3 |
| General Elective | 3 |
| General Elective | 3 |

\*GD = course also meets the Global Diversity General Studies Requirement; ESSJ = course also meets the Ethnic Studies and Social Justice Graduation Requirement

\*\*MTH 1210 is a required prerequisite for HCM 3500 and is approved as a substitute prerequisite for CIS 3460

\*\*\*Students may take a placement test of CIS 1010 as a general elective in spring of first year in order to place into CIS 2010 in fall of second year

‡ ACC 2010 is a required prerequisite for HCM 4030

## Third Year Fall Semester (15 credits)

| Course | Credits |
| --- | --- |
| CIS 3030 Business Web Page Development | 3 |
| CIS 3060 Database Management Systems | 3 |
| HCM 3400 Human Resource Management in Health Care | 3 |
| HCM 3500 Health Care Research Methods\*\* | 3 |
| HCM 3600 Health Information Systems | 3 |

## Third Year Spring Semester (15 credits)

| Course | Credits |
| --- | --- |
| CIS 3230 Telecommunication Systems and Networking | 3 |
| CIS 3460 Data Warehousing and Mining\*\* | 3 |
| HCM 4030 Financial Management in Health Care ‡ | 3 |
| HCM 4150 Electronic Medical Records Applications and Support | 3 |
| Approved Major Elective | 3 |

## Fourth Year Fall Semester (15 credits)

| Course | Credits |
| --- | --- |
| CIS 3500 Information Systems Security | 3 |
| HCM 4300 Strategic Management in Health Care | 3 |
| HCM 4350 Health Care Information Systems Applications | 3 |
| CIS 4030 Web Site Administration | 3 |
| Approved Major Elective | 3 |

## Fourth Year Spring Semester (15 credits)

| Course | Credits |
| --- | --- |
| Approved Major Elective | 3 |
| HCM 4610 HCM Internship | 3 |
| General Elective | 3 |
| General Elective | 3 |
| General Elective | 3 |

\*GD = course also meets the Global Diversity General Studies Requirement; ESSJ = course also meets the Ethnic Studies and Social Justice Graduation Requirement

\*\*MTH 1210 is a required prerequisite for HCM 3500 and is approved as a substitute prerequisite for CIS 3460

\*\*\*Students may take a placement test of CIS 1010 as a general elective in spring of first year in order to place into CIS 2010 in fall of second year

‡ ACC 2010 is a required prerequisite for HCM 4030