

# Health Information Management and Technology Major

## Area of Emphasis

Students must complete requirements in one of the following areas of emphasis:

- Healthcare Management
- Healthcare Technology

## Healthcare Management

| Code                                  | Title                                                                                                                      | Credits      |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Supporting Courses:</b>            |                                                                                                                            | <b>5-10</b>  |
| MATH 101                              | Advanced Algebra                                                                                                           |              |
| <b>Biology (Choose one option):</b>   |                                                                                                                            |              |
| HUM BIOL 102                          | Introduction to Human Biology                                                                                              |              |
| BIOLOGY 201<br>& BIOLOGY 202          | Principles of Biology: Cellular and Molecular Processes<br>and Principles of Biology Lab: Cellular and Molecular Processes |              |
| HUM BIOL 240<br>& HUM BIOL 241        | Anatomy and Physiology<br>and Anatomy and Physiology Lab                                                                   |              |
| HUM BIOL 221<br>& HUM BIOL 222        | Anatomy and Physiology I<br>and Anatomy and Physiology II                                                                  |              |
| <b>Core Courses</b>                   |                                                                                                                            | <b>49</b>    |
| HIMT 301                              | Digital Literacy in Healthcare                                                                                             |              |
| HIMT 310                              | Healthcare Systems and Organizations                                                                                       |              |
| HIMT 320                              | Survey of Information Technology in Healthcare                                                                             |              |
| HIMT 330                              | Healthcare I: Terminology & Body Systems                                                                                   |              |
| HIMT 340                              | Ethical issues, Security Management and Compliance                                                                         |              |
| HIMT 350                              | Statistics for Healthcare                                                                                                  |              |
| HIMT 360                              | Healthcare II: Survey of Disease & Treatments                                                                              |              |
| HIMT 370                              | Healthcare Systems: Analysis & Design                                                                                      |              |
| HIMT 380                              | Healthcare Billing, Coding and Reimbursement                                                                               |              |
| HIMT 400                              | Healthcare Information and Technology - Data                                                                               |              |
| HIMT 410                              | Healthcare Systems: Implementation and Integration                                                                         |              |
| HIMT 420                              | Healthcare Systems: Project Management                                                                                     |              |
| HIMT 430                              | Quality Assessment and Improvement                                                                                         |              |
| HIMT 440                              | Group Processes, Team Building and Leadership                                                                              |              |
| HIMT 450                              | Healthcare Information and Technology - Standards                                                                          |              |
| HIMT 489                              | Pre-Capstone (Must be taken semester prior to HIMT 490)                                                                    |              |
| HIMT 490                              | Capstone                                                                                                                   |              |
| <b>Healthcare Management Emphasis</b> |                                                                                                                            | <b>12</b>    |
| HIMT 355                              | Principles of Management for HIMT Professionals                                                                            |              |
| HIMT 365                              | Healthcare Economics                                                                                                       |              |
| HIMT 415                              | Human Resource Management in Healthcare                                                                                    |              |
| HIMT 445                              | Application of Leadership & Management in Healthcare Technology                                                            |              |
| <b>Total Credits</b>                  |                                                                                                                            | <b>66-71</b> |

## Healthcare Technology

| Code                                | Title            | Credits     |
|-------------------------------------|------------------|-------------|
| <b>Supporting Courses</b>           |                  | <b>5-10</b> |
| MATH 101                            | Advanced Algebra |             |
| <b>Biology (Choose one option):</b> |                  |             |

|                                       |                                                                                                                            |              |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------|
| HUM BIOL 102                          | Introduction to Human Biology                                                                                              |              |
| BIOLOGY 201<br>& BIOLOGY 202          | Principles of Biology: Cellular and Molecular Processes<br>and Principles of Biology Lab: Cellular and Molecular Processes |              |
| HUM BIOL 240<br>& HUM BIOL 241        | Anatomy and Physiology<br>and Anatomy and Physiology Lab                                                                   |              |
| HUM BIOL 221<br>& HUM BIOL 222        | Anatomy and Physiology I<br>and Anatomy and Physiology II                                                                  |              |
| <b>Core Courses</b>                   |                                                                                                                            | <b>49</b>    |
| HIMT 301                              | Digital Literacy in Healthcare                                                                                             |              |
| HIMT 310                              | Healthcare Systems and Organizations                                                                                       |              |
| HIMT 320                              | Survey of Information Technology in Healthcare                                                                             |              |
| HIMT 330                              | Healthcare I: Terminology & Body Systems                                                                                   |              |
| HIMT 340                              | Ethical issues, Security Management and Compliance                                                                         |              |
| HIMT 350                              | Statistics for Healthcare                                                                                                  |              |
| HIMT 360                              | Healthcare II: Survey of Disease & Treatments                                                                              |              |
| HIMT 370                              | Healthcare Systems: Analysis & Design                                                                                      |              |
| HIMT 380                              | Healthcare Billing, Coding and Reimbursement                                                                               |              |
| HIMT 400                              | Healthcare Information and Technology - Data                                                                               |              |
| HIMT 410                              | Healthcare Systems: Implementation and Integration                                                                         |              |
| HIMT 420                              | Healthcare Systems: Project Management                                                                                     |              |
| HIMT 430                              | Quality Assessment and Improvement                                                                                         |              |
| HIMT 440                              | Group Processes, Team Building and Leadership                                                                              |              |
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| HIMT 489                              | Pre-Capstone (Must be taken semester prior to HIMT 490)                                                                    |              |
| HIMT 490                              | Capstone                                                                                                                   |              |
| <b>Healthcare Technology Emphasis</b> |                                                                                                                            | <b>12</b>    |
| HIMT 345                              | Programming and Software Development                                                                                       |              |
| HIMT 375                              | Database Structures and Management Systems                                                                                 |              |
| HIMT 425                              | Data Warehousing and Mining                                                                                                |              |
| HIMT 435                              | Data Communications and Networks in Healthcare                                                                             |              |
| <b>Total Credits</b>                  |                                                                                                                            | <b>66-71</b> |