Health Informatics and Information Management

Degree Offered

• Associate of Arts

Nature of Program

The associate degree program in Health Informatics and Information Management (HIIM) was recently approved in the Spring of 2018. HIIM is an integration of healthcare management, business management, and information systems technology. HIIM professionals possess a unique blend of knowledge, skills, and competencies related to the complex and ever-evolving healthcare industry, including healthcare systems organization; workflow and delivery processes; healthcare privacy and security; policy and finance; data management; compliance; clinical documentation improvement; and quality healthcare outcomes and improvement processes.

The associate degree in HIIM provides the first two years of the bachelor’s degree program. The goal of the program is to prepare students to transfer into a bachelor’s program or to gain entry level positions within the healthcare system. Graduates with the associate degree in HIIM will also be able to take a coding certification exam offered by the American Health Information Management Association (AHIMA).

Career Opportunities

An associate degree in HIIM prepares students to gain entry level positions or transfer into a baccalaureate program. Students graduating with a degree in HIIM are prepared for roles in a wide variety of job settings, such as hospitals or a physician’s office. Careers are available in healthcare privacy and security, health informatics/data analysis, clinical documentation improvement, operations/administration, and revenue cycle management (clinical coding and billing).

Medical records and health information technicians earned a median salary of $39,180 per year and medical and health services managers (bachelor’s degree) earned a median salary of $98,350 in 2017 according to the U.S. Bureau of Labor Statistics.

FACULTY

CHAIR

• Vicki Huffman - Ph.D. Biomedical Science

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

<table>
<thead>
<tr>
<th>General Education Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1 - Composition &amp; Rhetoric</td>
</tr>
<tr>
<td>ENGL 101</td>
</tr>
<tr>
<td>&amp; ENGL 102</td>
</tr>
<tr>
<td>or ENGL 103</td>
</tr>
<tr>
<td>F2A/F2B - Science &amp; Technology</td>
</tr>
<tr>
<td>F3 - Math &amp; Quantitative Skills</td>
</tr>
<tr>
<td>F4 - Society &amp; Connections</td>
</tr>
<tr>
<td>F5 - Human Inquiry &amp; the Past</td>
</tr>
<tr>
<td>F6 - The Arts &amp; Creativity</td>
</tr>
<tr>
<td>F7 - Global Studies &amp; Diversity</td>
</tr>
<tr>
<td>F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)</td>
</tr>
<tr>
<td>Total Hours</td>
</tr>
</tbody>
</table>

Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.
## Curriculum Requirements

**GEF Requirements**
- WVUE 191  
  First Year Seminar  
  Minimum GPA of 2.5 required

A grade of C- or higher must be earned in all graded courses required for the major

**Program Requirements**
- $ENGL\ 101$  
  Introduction to Composition and Rhetoric (GEF 1)
- $ENGL\ 102$  
  Composition, Rhetoric, and Research (GEF 1)
- $BIOL\ 102$  
  General Biology
- $BIOL\ 104$  
  and General Biology Laboratory (GEF 2B)
- $CS\ 101$  
  Intro to Computer Applications (GEF 8)

$STAT\ 111$  
Understanding Statistics (GEF 3)

$PATH\ 200$  
Medical Terminology

$BIOL\ 230$  
Human Anatomy and Physiology 1

$BIOL\ 231$  
Human Anatomy and Physiology 2

**Major Requirements**
- $HIIM\ 110$  
  Introduction to U.S. Healthcare Delivery System
- $HIIM\ 112$  
  Fundamentals of Health Information Management
- $HIIM\ 231$  
  Health Information Management Applications
- $HIIM\ 233$  
  Health Informatics and Information Management Disease Fundamentals and Management
- $HIIM\ 235$  
  Coding and Classification of Diseases
- $HIIM\ 237$  
  Introduction to Professional Practice
- $HIIM\ 240$  
  Classification of Healthcare Procedures
- $HIIM\ 242$  
  Healthcare Reimbursement and Revenue Cycle Management
- $HIIM\ 244$  
  Principles of Health Informatics and Information Management Quality Management
- $HIIM\ 246$  
  Fundamentals of Clinical Documentation Improvement
- $HIIM\ 247$  
  Registries in Healthcare
- $HIIM\ 248$  
  Health Informatics and Information Management Professional Practice 1

Total credit hours: 60

## Suggested Plan of Study

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WVUE 191</td>
<td>1</td>
<td>ENGL 102 (GEF 1)</td>
<td>3</td>
</tr>
<tr>
<td>CS 101 (GEF 8)</td>
<td>4</td>
<td>BIOL 230</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 101 (GEF 1)</td>
<td>3</td>
<td>STAT 111 (GEF 3)</td>
<td>3</td>
</tr>
<tr>
<td>HIIM 110</td>
<td>3</td>
<td>PATH 200</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 102</td>
<td>4</td>
<td>HIIM 112</td>
<td>3</td>
</tr>
<tr>
<td>&amp; BIOL 104 (GEF 2)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total: 15

### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIIM 231</td>
<td>2</td>
<td>HIIM 240</td>
<td>3</td>
</tr>
<tr>
<td>HIIM 233</td>
<td>3</td>
<td>HIIM 244</td>
<td>2</td>
</tr>
<tr>
<td>HIIM 235</td>
<td>3</td>
<td>HIIM 246</td>
<td>3</td>
</tr>
<tr>
<td>HIIM 237</td>
<td>1</td>
<td>HIIM 247</td>
<td>2</td>
</tr>
<tr>
<td>HIIM 242</td>
<td>2</td>
<td>HIIM 248</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 231</td>
<td>4</td>
<td>GEF Elective (4, 6, 7 or 8)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 15

Total credit hours: 60
Major Learning Outcomes

HEALTH INFORMATICS AND INFORMATION MANAGEMENT

Upon completion of the associates in health informatics and information management program, students will be able to:

• Use medical vocabularies and classification systems and define data and retrieve information from computer-based patient record systems using vocabularies and classification systems.
• Apply reimbursement strategies related to various delivery systems.
• Utilize systems and strategic planning, integrate and maintain information resources, and describe acquisition and implementation of systems.
• Manage the implementation of systems necessary to support the computer-based patient record and other systems implementation projects.
• Transfer into a bachelor’s HIIM program.
• Obtain an AHIMA Certified Coding Associate (CCA) certificate.