Health Information Technology

(1.5 to 2 Years)

One Intermediate Technical Certificate, one Associate of Applied Science Degree, one Bachelor of Applied Science Degree, and one Bachelor of Science in Health Science degree are available.

Objectives

This program will provide students with the skills and knowledge to:

1. Maintain components of health information systems consistent with the medical, legal, accreditation and regulatory requirements of the health care delivery system.
2. Maintain, compile and report health information data for reimbursement, facility planning, marketing, risk management, utilization management, quality assessment and research; abstract and code clinical data using appropriate classification systems.
3. Analyze health records according to federal, state, and accrediting body standards.

The HIT graduate may be employed in any organization that uses patient data or health information.

Career Opportunities:

- Hospitals
- Office-based physician practices
- Same Day Surgery Centers
- Health Information Software vendors
- Law and Insurance Firms
- Pharmaceutical Companies
- Nursing homes
- Home health agencies
- Mental health facilities
- Public health agencies

General Education requirements must be completed with a “C” or higher. All other courses in the program must be completed with a “C” or higher. If a student fails to meet the grade requirements, they will be dismissed from the HIT program or Medical Coding Certificate Program. Students who are dismissed may petition to return the following year, however, re-entry is not guaranteed but dependent on the approval of the petition and availability of a seat in that year’s cohort of students.

For a Program Information Packet showing descriptions of each option, course descriptions, lists of course sequences, and the cost of books, tools, uniforms, fees, and other expenses, go online to https://www.isu.edu/healthinformation/.

This program requires students to achieve certain grades in order to advance each semester. Specific information is available in the program’s student handbook.

https://www.isu.edu/media/libraries/college-of-technology/pdfs/handbooks/Health-Information.pdf

Faculty

Coordinator and Clinical Senior Instructor


Clinical Coordinator and Clinical Senior Instructor


Instructor


Intermediate Technical Certificate: Medical Coding

(1.5 Years)

Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HO 0106</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>HO 0107</td>
<td>Medical Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HO 0111</td>
<td>Introduction to Anatomy and Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HO 0208</td>
<td>Introduction to Pathology</td>
<td>3</td>
</tr>
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<td>HO 0209</td>
<td>Principles of Drugs and Their Uses</td>
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<td>HIT 0202</td>
<td>Health Information I</td>
<td>4</td>
</tr>
<tr>
<td>HIT 0205</td>
<td>ICD 10 CM Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIT 0206</td>
<td>ICD 10 PCS Coding</td>
<td>3</td>
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</table>
Associate of Applied Science Degree: Health Information Technology

(2 Years)

Required Courses:
All required courses must be completed with a grade of “C” or better.

HO 0106  Medical Terminology  2
HO 0107  Medical Law and Ethics  3
HO 0111  Introduction to Anatomy and Physiology  4

OR

BIOL 3301 & 3301L  Anatomy and Physiology and Anatomy and Physiology Lab  4
& BIOL 3302 & 3302L  Anatomy and Physiology and Anatomy and Physiology Lab  4

HO 0208  Introduction to Pathology  3
or BIOL 3305  Introduction to Pathobiology  3

HO 0209  Principles of Drugs and Their Uses  3
HIT 0201  Supervised Professional Practice I  2
HIT 0202  Health Information I  4
HIT 0203  Health Statistics and Quality Improvement  3
HIT 0204  Health Information II  4
HIT 0205  ICD 10 CM Coding  3
HIT 0206  ICD 10 PCS Coding  3
HIT 0207  Supervised Professional Practice II  4
HIT 0209  CPT Coding  3
HIT 0213  Advanced Coding and Reimbursement  4
HIT 0215  Introduction to Reimbursement  2
HIT 0220  Informatics Technology I  3
HIT 0224  Informatics Technology II  3

General Education courses 1
ENGL 1101  English Composition  2  3
or ENGL 1101P  English Composition Plus  3
MATH 1123 or MATH 1153  Mathematics in Modern Society  2  3
BIOL 1101 & 1101L  Biology I and Biology I Lab  2  4
PSYC 1101  Introduction to General Psychology  2  3

Additional General Education courses  3

Total Credits: 69

Intermediate Technical Certificate in Medical Coding

Required Coursework:

Spring  Credits
HO 0106  2
HO 0107  3
HO 0111  4
HO 0209  3
HIT 0215  2

Total Credits: 14

Fall  Credits
HO 0208  3
HIT 0205  3
HIT 0206  3
HIT 0209  3

Total Credits: 12

Spring  Credits
HIT 0202  4
HIT 0213  4
HIT 0240  4

Total Credits: 12

Courses

HIT 0201 Supervised Professional Practice I: 2 semester hours.
Directed clinical practice in various health information sites under the preceptorship of a practicing professional for 8 hours per week for eight weeks. F, S

HIT 0202 Health Information I: 4 semester hours.
Introduction to the roles and responsibilities of the health information field. Study of the origin, use, content, format, record retention, numbering and filing systems of health information records. Study of computer applications found in health information. Accreditation and licensing standards along with state and federal laws pertaining to health information. F, S

1 See General Education Requirements (minimum 15 credits) for A.A.S. Degree at the start of the College of Technology section of the catalog.
2 Contributes to a General Education requirement.
HIT 0203 Health Statistics and Quality Improvement: 3 semester hours.
The collection, calculation and presentation of routine health data in conjunction with the assessment, monitoring, evaluation and improvement of health care. PREREQ: MATH 1123, HIT 0201, and HIT 0202. F, S

HIT 0204 Health Information II: 4 semester hours.
Theory, practice and skills in managing health information and personnel. F, S

HIT 0205 ICD 10 CM Coding: 3 semester hours.
Principles and application of diagnosis coding for statistical and reimbursement purposes utilizing International Classification of Disease-Clinically Modified. PREREQ: HO 0106, BIOL 1101, BIOL 1101L; and HO 0111 or BIOL 3301 and BIOL 3302. F, S

HIT 0206 ICD 10 PCS Coding: 3 semester hours.
Principles and application of procedural coding for statistical and reimbursement purposes utilizing International Classification of Disease Procedure Classification System. PREREQ: HO 0106, BIOL 1101, BIOL 1101L; and HO 0111 or BIOL 3301 and BIOL 3302. F, S

HIT 0207 Supervised Professional Practice II: 4 semester hours.
Directed clinical practice in a health information department under the preceptorship of a practicing professional for 24 hours per week for eight weeks. COREQ: HIT 0203, HIT 0204, and HIT 0213. PREREQ: HIT 0201, HIT 0202, HIT 0205, HIT 0206 and HIT 0209. F, S

HIT 0209 CPT Coding: 3 semester hours.
Principles and application of coding for statistical and reimbursement purposes utilizing Physicians’ Current Procedural Terminology in conjunction with documentation standards. PREREQ: HO 0106, BIOL 1101, BIOL 1101L; and HO 0111 or BIOL 3301 and BIOL 3302. F, S

HIT 0213 Advanced Coding and Reimbursement: 4 semester hours.
Practical application of ICD and CPT coding utilizing software and actual patient records. Application of coded data in payment and reimbursement systems, including the basic instructions for filing various types of health care claims and accounts receivable. Students will use medical software to perform competency-based simulations. PREREQ: HIT 0205, HIT 0206, and HIT 0209. F, S

HIT 0214 Coding Practicum: 4 semester hours.
Directed clinical coding practice in a clinical coding environment under the preceptorship of a practicing professional. PREREQ: HIT 0205, HIT 0206, HIT 0213. F, S

HIT 0215 Introduction to Reimbursement: 2 semester hours.
Introduction to processing health insurance claims through medical insurance, payer requirements, state and federal regulations, abstracting of source documents, accurate completion of claims, and coding of diagnoses and procedures/services. Utilizes national diagnosis and procedure coding systems and claims processing software. PREREQ: HIT 0202. F, S

HIT 0220 Informatics Technology I: 3 semester hours.
Introduction to information systems and their importance in the health care industry. Emphasis on information technology, information system characteristics and use. The study of processes supported in health informatics and information to include the electronic health record and the management of information and information systems in the inpatient and outpatient health care settings. F, S

HIT 0224 Informatics Technology II: 3 semester hours.
Data analysis and decision support for health informatics. Database concepts, project management, network concepts, system analysis and design. Content of health records, health informatics and information standards as per regulatory agencies and accreditation. PREREQ: HIT 0220. F, S

HIT 0240 Medical Coding Practicum: 4 semester hours.
Directed clinical coding and reimbursement practice under the preceptorship of a practicing professional for 40 hours a week for four weeks; also includes the successful completion of HIT/HIM projects as assigned. PREREQ: HO 0106, HO 0107, HO 0208, HO 0209, HO 0111, HIT 0202, HIT 0205, HIT 0206, HIT 0209, HIT 0215. PRE-OR-COREQ: HIT 0213. F, S

HIT 0296 Independent Study: 1-8 semester hours.
Addresses specific learning needs of individuals for the enhancement of knowledge and skills within the program area under the guidance of an instructor. May be repeated. Graded S/U, or may be letter-graded. PREREQ: Permission of the instructor. D

HIT 0298 Special Topics: 1-8 semester hours.
Addresses the specific needs of industry, enabling students to upgrade technical skills that are not included in the current program curriculum. May be repeated. Graded S/U, or may be letter-graded. PREREQ: Permission of instructor. D

HIT 0299 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times with the same title and content.