

## **Health Information Technology Course Descriptions**

### **CINS 101 Introduction to Microcomputers**

Prerequisites: demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 031.

Introduces the physical components and operation of microcomputers. Focuses on computer literacy and provides hands-on training in four areas of microcomputer application software: word processing, electronic spreadsheets, database management, and presentation software. Use of a professional business integrated applications package is emphasized.

### **CINS 102 Information Systems Fundamentals**

Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 031.

Introduces information processing and programming with emphasis on hands-on computer experience. Examines the role of information processing in an organization including: information processing applications, computer hardware and software, internal data representation, stored program concepts, systems and programming design, flowcharting, and data communications. Review the history of computers, related computer careers, the social impact of computers, and computer security.

### **HLHS 101 Medical Terminology**

Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 025 and ENG 093 and ENGL 032 or ENGL 083.

Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included.

### **HIMT 101 Health Information Systems**

#### **3 credit hours – 2 lecture 1 lab**

Prerequisites: Program admission.

Provides opportunity for the investigation of career opportunities, ethics, history, and functions of a health information management profession. Presents the origination, content, and development of patient indexes and patient records. Overview of the design, maintenance and use of manual and computerized health information systems for filing, numbering, and storage of patient information.

### **HIMT 102 Health Data Content and Structure**

#### **2 credit hours – 1 lecture, 1 lab**

Prerequisite: Program Advisor Approval

Introduction to health data collections methods for health information systems. Study of the datasets and databases used in various healthcare settings. Overview of the creation and maintenance of health information disease registries and indexes. Overview of concepts influencing electronic and computerized patient records and automation of health information management functions.

### **HIMT 104 Health Information and the Law**

#### **3 credit hours - lecture**

Prerequisites: Program Advisor Approval

Presents the legal aspects of health records, health information, and the information department. Application of general principles of law and health information management to legal proceedings. Emphasis on patient privacy and confidentiality, types of consents, and proper release of health information.

### **HIMT 105 Healthcare Organizations and Delivery Systems**

#### **3 credit hours - lecture**

Prerequisites: Program Advisor Approval

Provides an overview of the organization of healthcare delivery, including the various types of healthcare institutions, accreditation standards, licensure and regulatory agencies, and payment and reimbursement systems. Emphasizes the maintenance of data accuracy, security, privacy, and confidentiality in manual and computerized information systems.

### **HIMT 201 Reimbursement Systems**

#### **3 credit hours - lecture**

Prerequisites: HIMT 101, HIMT 102 and 105

Presents data elements that apply to prospective payment systems. Enables student to gain knowledge of reimbursement systems and to identify issues and patient characteristics in meeting medical necessity guidelines.

### **HIMT 202 Healthcare Data Literacy and Statistics**

#### **3 credit hours - 3 lecture**

Prerequisites: HIMT 101, HIMT 102 and MATH 135 or MATH 136

Compilation and usage of various types of administrative and health care statistics including vital records. Includes an overview of the health information research process and the use of computers for data management.

### **HIMT 203 ICD Coding**

#### **3 credit hours - 1 lecture, 2 lab**

Prerequisites: HLHS 101, HIMT 101, HIMT 102 and HIMT 210

Includes International Classification of Diseases (ICD) assignment and sequencing of codes in accordance with approved guidelines. Application of codes for inpatient.

### **HIMT 204 Quality Assessment and Improvement**

#### **2 credit hours – lecture**

Prerequisites: HIMT 101, HIMT 102 and HIMT 105

Presents the history and development of quality assurance in various healthcare facilities. Includes quality assessment techniques, utilization management, risk management, credentialing, and medical staff services as related to health information management.

### **HIMT 205 Organization and Supervision**

#### **2 credit hours – lecture**

Prerequisites: HIMT 101, HIMT 102 and HIMT 105

Includes principles and practices essential to the efficient supervision and management of health information departments. Planning, organizing, directing, and controlling health information processes, personnel, finances, and space.

**HIMT 210 Pathophysiology and Pharmacology I****3 credit hours - lecture**

Prerequisites: APHY 102 and HLHS 101

Covers the etiology, treatment, pharmacology, and prognosis of diseases associated with body systems.

**HIMT 207 Health Information Externship I****1 credit hour**

Prerequisites: Program Advisor Approval

Provides the student with the opportunity to apply acquired health information technical knowledge in healthcare settings.

**HIMT 208 Health Information Externship II****1 credit hour**

Prerequisites: Program Advisor Approval

Provides the student with the opportunity to apply acquired health information technical knowledge in healthcare settings.

**HIMT 213 CPT Coding****3 credit hours - 1 lecture, 2 lab**

Prerequisites: HIMT 101, HIMT 102, HIMT 105 and HIMT 210

Introduces Current Procedural Terminology (CPT) coding as applied in facility and physician perspectives. Includes the general content, coding guidelines, and the role of CPT coding in healthcare reimbursement. Applies codes to basic medical and surgical services including the use of modifiers. Ethical coding and compliance issues are emphasized.

**HIMT 219 Pathophysiology and Pharmacology II****3 credit hours – lecture**

Prerequisites: HIMT 210

Continues from HIMT 210, Pathophysiology and Pharmacology I, to cover the etiology, treatment, pharmacology, and prognosis of diseases associated with body systems.

**HIMT 223 Advanced Anatomy and Physiology****2 credit hours – 1 lecture 1 lab**

Prerequisites: HLHS 101, APHY 102 and HIMT 101. Provides an advanced understanding of anatomy and physiology as it pertains to the ICD-10 coding system. Includes anatomical and physiological documentation requirements for code capture in the ICD-10 system. Introduces ICD-10 coding guidelines.