

Health Information Technology Program / Course Descriptions

CINS 101 Introduction to Microcomputers

3 credit / contact hours – lecture

PREREQUISITES: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 083 Reading Strategies for College and ENGL 093 Introduction to College Writing, or ENGL 095 Integrated Reading and Writing.

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.

INFM 109 Informatics Fundamentals

3 credit / contact hours – lecture

PREREQUISITES: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 083 Reading Strategies for College or ENGL 095 Integrated Reading and Writing.

Introduces the student to terminology, concepts, theory, and fundamental skills used to implement information systems and functions in a wide variety of applications from small to enterprise organizations. Topics include the history of and trends in computing, operating systems, security, cloud implementations and other concepts associated with applying the principles of good information management to the organization. A brief introduction to word processing and spreadsheets is included as part of a skill set that students will use throughout their careers in informatics.

HLHS 101 Medical Terminology

3 credit / contact hours – lecture

PREREQUISITES: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENG 083 Reading Strategies for College and ENGL 093 Introduction to College Writing, or ENGL 095 Integrated Reading and Writing.

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 Introduction to Health Information Technology

2 credit / contact hours – lecture

PREREQUISITES: Program Advisor Approval

Provides the opportunity for the investigation of career opportunities, ethics, history, and functions of the health information management profession. Provides an overview of the organization of healthcare delivery, including various types of healthcare institutions, accreditation standards, licensure and regulatory agencies, and payment and reimbursement systems. Introduces basic concepts and terminology for data accuracy, security, privacy, and confidentiality in manual and computerized systems.

HIMT 102 Health Data Content and Structure

2 credit hours – 1 lecture, 1 lab

3 contact hours – 1 lecture, 2 lab

PREREQUISITES: Program Advisor Approval

Introduction to health data collections methods for Introduction to Health Information Technology. 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

2 credit / contact hours – lecture

PREREQUISITES: Program Advisor Approval

Presents the substantial changes brought about by HIPAA and the growth of electronic health records systems and electronic data networks. Discusses the state laws affecting the use and disclosure of health information and the complex interplay of federal and state health information privacy laws. Addresses the challenging area of how patient information may be used in connection with medical research.

HIMT 106 Healthcare Informatics

3 credit hours – 2 lecture, 1 lab

4 contact hours – 2 lecture, 2 lab

PREREQUISITES: INFM 109 Informatics Fundamentals

COREQUISITES: INFM 109 Informatics Fundamentals

This course introduces concepts of health information systems such as database design and management, data warehousing, data mining, interoperability for health information exchanges, health information system acquisition and life cycle, health information registries and indices, EHRs, PHRs, information governance, and data stewardship. Students will study the evolution of health information systems including the transition from paper records to electronic records, HIPAA, HITECH, ARRA, and meaningful use. Students will gain experience utilizing an electronic health record software.

HIMT 200 Basic ICD Coding

2 credit hours – 1 lecture, 1 lab

3 contact hours – 1 lecture, 2 lab

PREREQUISITES: HIMT 101 Introduction to Health Information Technology; HIMT 102 Health Data Content and Structure

Introduces students to the International Classification of Diseases coding system and provides the background and skills needed for assigning and sequencing of codes in accordance with approved guidelines.

HIMT 201 Reimbursement Systems**3 credit / contact hours – lecture**

PREREQUISITES: HIMT 101 Introduction to Health Information Technology, HIMT 102 Health Data Content and Structure

Presents data elements that apply to prospective payment systems. Enables students 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**2 credit hours - 1 lecture, 1 lab****3 contact hours – 1 lecture, 2 lab**

PREREQUISITES: HIMT 101 Introduction to Health Information Technology, HIMT 102 Health Data Content and Structure, and MATH 123 Quantitative Reasoning, or Higher.

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

HIMT 203 Advanced ICD Coding**3 credit hours - 1 lecture, 2 lab****5 contact hours – 1 lecture, 4 lab**

PREREQUISITES: HIMT 101 Introduction to Health Information Technology; HIMT 102 Health Data Content and Structure; HIMT 200 Basic ICD Coding; HIMT 210 Pathophysiology and Pharmacology

COREQUISITES: HIMT 210 Pathophysiology and Pharmacology

Includes International Classification of Diseases (ICD) assignment and sequencing of codes in accordance with approved guidelines and requires the student to apply and expand the knowledge gained from the Basic ICD Coding course with completing more advanced cases utilizing encoder software. The student will develop critical-thinking skills by using current references to research coding questions and issues.

HIMT 204 Quality Assessment and Improvement**2 credit / contact hours – lecture**

PREREQUISITES: HIMT 101 Introduction to Health Information Technology; HIMT 102 Health Data Content and Structure

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**3 credit / contact hours – lecture**

PREREQUISITES: HIMT 101 Introduction to Health Information Technology, HIMT 102 Health Data Content and Structure

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

HIMT 207 Health Information Externship I (Fall Semester)

1 credit hour

5 contact hours

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 (Spring Semester)

1 credit hour

5 contact hours

PREREQUISITES: Program Advisor Approval

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

HIMT 210 Pathophysiology and Pharmacology

3 credit hours – 2 lecture, 1 lab

4 contact hours – 2 lecture, 2 lab

PREREQUISITES: APHY 102 Anatomy and Physiology II and HLHS 101 Medical Terminology

COREQUISITES: APHY 102 Anatomy and Physiology II

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

HIMT 213 CPT Coding

3 credit hours - 1 lecture, 2 lab

5 contact hours – 1 lecture, 4 lab

PREREQUISITES: HIMT 101 Introduction to Health Information Technology, HIMT 102 Healthcare Data Content and Structure; HIMT 210 Pathophysiology and Pharmacology

Introduces Current Procedural Terminology (CPT) coding as applied in facility and physician perspectives. Includes 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 emphasized.