HEALTH INFORMATION TECHNOLOGY

Health Information Technology is the comprehensive management of health information across computerized systems and its secure exchange between health care consumers and providers. The curriculum emphasizes medical billing and coding, anatomy and physiology, medical billing, records management, and pharmacology.

Graduation Requirements

ENGL 1110G Composition I with a C- or higher; placement into college-level math and reading courses or completion of developmental courses with a C- or higher; cumulative GPA of 2.0 or higher. A minimum of 15 of the 61 credits for the associate's degree must be completed at SEMNC.

- Health Information Technology - Associate of Applied Science (https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/health-information-technology/health-information-technology-aas/)
- Medical Coding and Billing - Certificate of Completion (https://senmc-public.courseleaf.com/academic-programs/associate-degree-certificate-programs/health-information-technology/health-information-technology-certificate-completion/)

HIT 110 Electronic Health Records 3 Credits (3)
Current electronic health record principles, methods and procedures, and computerized medical record concepts and software applications will be introduced.
View Course Outcomes

HIT 120 Health Information Introduction to Pharmacology 3 Credits (3)
Introduction to the principles of pharmacology, including drug terminology; drug origins, forms, and actions; routes of administration; as well as the use of generic name drugs, trade name drugs and categories of drugs to treat multiple and specific body systems.
Repeatable: up to 3 credits
Crosslist: NURS 120
Learning Outcomes
1. Summarize major drug standard and legislation requiring legal responsibilities of the health care practitioner when dispensing medications.
2. Describe the major drug classification systems
3. Analyze the sources of drugs and their pharmacokinetic processes and variables that affect drug action and effects
4. Identify drug forms, routes of delivery, and the supplies and techniques necessary for safe and appropriate administration.
5. Apply the principals that support the moral, ethical, and legal responsibilities of the health care practioner when administering medications safely and accurately
6. Assess the four parenteral routes, application of each and specific injection types and sites
7. Identify precautions that should be taken when administering medications and various demographics, and in particular, for older adults
8. Identify the primary routes of poisoning and the procedures, therapies and preventive measures involved in patient care and education
9. Identify commonly used medications 1
10. Outline the sources, mechanism of action, and indications for specific drug therapies 1
11. List the appropriate dosages for several drugs 1
12. Describe the side effects, precautions, contraindications, and interactions for specific medications 1
13. Identify recent actions taken by government and by manufacturers for specific drugs.

View Course Outcomes

HIT 130 Health Information Technology Anatomy & Physiology 3 Credits (3)
An introductory course in the basics of human structure and function. Body systems are examined as to how they relate to proper code selection and as part of the functioning of the body as a whole.
View Course Outcomes

HIT 140 Health Information Introduction to Pathophysiology 3 Credits (3)
Introduction to the nature of disease and its effect on body systems. Disease processes affecting the human body via an integrated approach to specific disease entities will be presented including a review of normal functions of the appropriate body systems. Diseases will be studied in relation to their etiology, pathology, physical signs and symptoms, diagnostic procedures, complications, treatment modalities and prognosis.

Learning Outcomes
1. Describe basic disease concepts, including mechanisms of disease, neoplasms, inflammation, and infection
2. Examine the basic anatomy and physiology of the body systems, etiology of various diseases and conditions, important signs and symptoms of disorders, common diagnostics, typical course and management of disorders, preventive measures, and the effects of aging
3. Identify the terminology, etiology, signs and symptoms, common diagnostics, typical course and management of disorders, and preventive measures associated with genetic and developmental disorders, childhood diseases, and mental health disorders
4. Recognize important medical terminology related to the understanding of human diseases
5. State the drug classifications and examples of medications in each class used to treat diseases, disorders and conditions related to each body system.

View Course Outcomes

HIT 150 Introduction to Medical Terminology 3 Credits (3)
The study and understanding of medical terminology as it relates to diseases, their causes and effects, and the terminology used in various medical specialties. Emphasis will be placed on learning the basic elements of medical words, appropriate spelling and use of medical terms, and use of medical abbreviations.
Repeatable: up to 3 credits
Crosslist: NURS 150, AHS 120 and BOT 150
Learning Outcomes
1. Effective communication skills in reading, writing, listening and speaking.
2. Basic critical thinking skills include problem identification, evidence acquisition, evidence evaluation, and reasoning/conclusion.
3. An understanding of personal and social responsibility.
4. Apply the fundamental concepts of quantitative reasoning in mathematics and science.
5. Appropriate information and digital literacy and skills for personal and professional use.

View Course Outcomes

HIT 158 Advanced Medical Terminology 3 Credits (3)
Builds upon the concepts covered in HIT 150 or AHS 120 providing greater understanding of how to properly use and apply medical terminology used in the various health fields. Medical terminology associated with the body system's anatomy and physiology, pathology, diagnostic and therapeutic procedures, pharmacology, and abbreviations will be emphasized.
Prerequisite(s): HIT 150 or AHS 120
Learning Outcomes
1. Provide the student with an advanced knowledge and understanding of medical terms.
2. Prepare the advanced student for a career in the healthcare field.
3. State the derivation of most healthcare terms.
4. Use the rules given to build and spell healthcare terms and build singular terms to their plural forms.
5. Recognize and recall an introductory word bank of prefixes, suffixes, and combining forms and their respective meanings.
6. Recognize and use terms associated with the organization of the body, positional and directional vocabulary, body.
7. Recognize and use terms related to the anatomy, physiology, pathology and procedures for: the musculoskeletal system, integumentary system, digestive system, genitourinary system, pregnancy, childbirth, immune system, circulatory system, respiratory system, nervous system, mental health, eyes, ears, and endocrine system.

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HIT 221 Internship I 3 Credits (3)
Work experience that directly relates to a student's major field of study that provides the student an opportunity to explore career paths and apply knowledge and theory learned in the classroom. Internships may be paid or unpaid. Students are supervised/evaluated by both the employer and the instructor. C- or better is required for this course. Restricted to: BOT, HIT majors.
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HIT 228 Medical Insurance Billing 3 Credits (3)
Comprehensive overview of the insurance specialist's roll and responsibilities. Concepts and applications that will assist the student in understanding the steps necessary for successfully completing the insurance claim filing and reimbursement processes for various insurance carriers, both private and government, will be emphasized.
Prerequisite(s): HIT/NURS 150; OATS 150
View Course Outcomes

HIT 240 Health Information Quality Management 3 Credits (3)
Introduction to basic concepts of quality improvement and performance improvement as they apply to health record systems and the health care industry. Quality assessment and improvement standards and requirements of licensing, accrediting fiscal and other regulatory agencies will be presented.
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HIT 248 Medical Coding I 3 Credits (3)
Comprehensive overview of the fundamentals, coding conventions, and principles of selecting the most appropriate ICD-10-CM/PCS diagnostic and procedure codes. The most recent version of ICD-10-CM/PCS and an in depth study of current Official Coding Guidelines for coding and reporting will be emphasized. (2+2P)
Prerequisite(s): OATS 228
Repeatable: up to 3 credits
View Course Outcomes

HIT 255 Special Topics 3 Credits (3)
Specific topics to be announced in the Schedule of Classes.
Repeatable: up to 6 credits
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HIT 258 Medical Coding II 3 Credits (3)
Continuation of Medical Coding I. Comprehensive overview of the coding and reporting guidelines, fundamentals, coding conventions, and principles of selecting the most appropriate CPT and HCPCS procedural codes for all medical specialties. The most recent version of CPT and a continued study of the ICD-10-CM/PCS coding conventions and principles will be emphasized. Designed as a medical coding capstone course.
Prerequisite(s): HIT 248
Repeatable: up to 3 credits
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HIT 268 Health Information System 3 Credits (3)
Overview of health data management, work planning, and organization principles; an introduction to health care information systems; and review of the fundamentals of information systems for managerial, clinical support, and information systems.
View Course Outcomes