

### Healthcare Course Outlines

**MA200 ELECTROCARDIOGRAPHY (4.5 credits/60 clock hours)** This course continues to expand the student's knowledge base in the area of cardiovascular disease and testing procedures performed on a medical office. Topics include: recording an electrocardiogram, five steps of rhythm identification, normal ECG rhythm strip interpretation, recognition of cardiac arrhythmias and the appropriate response to each, patient education and preparation for exercise and ambulatory ECG monitoring. Prerequisites: Anatomy & Physiology II and Medical Terminology II

**HI103 HEALTH DATA CONTENT AND REIMBURSEMENT (4.5 credits/60 clock hours)** This course emphasizes the importance of the content of the health record. Topics include the preparation and use of indexes and registers, format and uses of nomenclatures and classification systems, quantitative and qualitative analysis, documentation requirements, the health record's role in reimbursement, the prospective payment systems, other reimbursement systems in health care, electronic health information systems, and transcription. Prerequisites: Anatomy & Physiology II, Medical Terminology II, Introduction to the Health Care Field, and ICD Coding I (may be taken prior to or concurrently.)

**HI226 ICD CODING I (4.5 credits/60 clock hours)** This course focuses on the International Classification of Diseases and Procedure Coding Systems (ICD-10-CM and ICD-10-PCS). The course will introduce the student to the professional standards for coding and reporting of diagnostic inpatient and outpatient services and inpatient procedure services. Coding characteristics, conventions and guidelines will be applied in identifying and accurately assigning codes to diseases, conditions and procedures. Health records, manual coding methods, and coding references will be utilized in the coding process. Prerequisites: Anatomy & Physiology II and Medical Terminology I.

**HI102 PATHOPHYSIOLOGY (5.5 credits/60 clock hours)** This course is a study of abnormal anatomy and physiology associated with prominent clinical disease processes. Emphasis is placed on the nature, cause, diagnosis, treatment, and management of these conditions. Topics include diagnostic methods, interpretation of laboratory tests, and drug therapies. Prerequisites: Anatomy & Physiology II and Medical Terminology II.