

# HEALTH SCIENCE CLUSTER

# HEALTH INFORMATICS

## PROGRAM OF STUDY

COURSE	COURSE TITLE	PREREQUISITE	CREDITS	HIGH SCHOOL YEAR
INFO-1098	Intro to Online Learning	NONE	1	Sophomore
INFO-1100	Microcomputer Applications*	NONE	3/6*	Sophomore
HLTH-1060	Medical Terminology	NONE	3	Junior (FALL)
HIMS-1250	Intro to Health Information Management	ACFS-0060R or Reading Placement Exam	3	Junior (FALL)
INFO-1220	Intro to Information Technology	NONE	3	Junior (SPRING)
LPNR-1110 or BIOS-1160	Body Structure & Function  Human Anatomy & Physiology	NONE	4	Junior (SPRING)
HIMS-1350	Health Care Delivery Systems	HIMS-1250	2	Senior (FALL)
HIMS-1400	Disease Process 1	BIOS-116 or HLTH-1060	3	Senior (FALL)
HIMS-2400	Disease Process 2	HIMS-1400	3	Senior (SPRING)
HIMS-1500	Legal and Ethical Aspects of Health Information Management	HIMS-1250 HIMS-1350	3	Senior (SPRING)
<b>TOTAL CREDIT HOURS</b>			<b>28/31*</b>	

\*If the high school has articulated Microcomputer Applications with WNCC, students may take Advanced Microcomputer Applications and earn SIX (6) credit hours upon successful completion of course. Advanced Microcomputer Applications is REQUIRED for the HIMS AAS degree.

### **This sequence of courses is part of the following Programs of Study:**

- HIMS (Health Information Technology), AAS
- HIMS Medical Transcription, Diploma
- HIMS Coding Technician, Diploma

### **If you follow the pathway sequence of courses, you may finish the programs in the following amounts of time beyond high school:**

- HIMS (Health Information Technology), AAS: 3 semesters
- HIMS Medical Transcription, Diploma: 2 semesters
- HIMS Coding Technician, Diploma: 1 semester

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## COURSE DESCRIPTIONS

**BIOS-1160 Anatomy & Physiology** This is an introductory course in human body structure and function. Emphasis is placed on anatomy, with attention also given to physiology, as related to the ten body systems.

**HIMS-1250 Introduction to Health Information Management** This course focuses on orienting the student to the health information profession. Students will also be introduced to primary and secondary records systems, content and structure of health care data and data sets, storage methods and retrieval of patient data elements.

**HIMS-1350 Health Care Delivery Systems** This course gives the student an orientation to the organization of the health care industry and current trends in health care delivery systems. Issues related to accreditation standards, licensing and government regulations are included.

**HIMS-1400 Disease Process 1** This course explains the pathology and pharmacological treatment of diseases of the integumentary, skeletal and muscular systems. Concepts and treatment modalities of infectious disease and neoplasia are explored.

**HIMS-1500 Legal & Ethical Aspects of Health Information Management** This course introduces the student to the study of legal and ethical principles related to patient care and health information; legal terminology and procedures; court systems; and liability of health care providers. Legal requirements governing policies designed to safeguard and maintain health information, including how to appropriately respond to requests for patient specific information will be explored. Students will explore ethical issues and apply a decision making model to selected case studies.

**HIMS-2400 Disease Process 2** This course is a continuation of HIMS-1400. Pathology and pharmacological treatment of diseases of the cardiovascular, respiratory, digestive, urinary, endocrine, nervous and reproductive systems will be explored. Genetic diseases will also be explored.

**HLTH-1060 Medical Terminology** This course gives the student a basic knowledge of medical terms used in the health profession. The format presents terminology within the context of root words and use of prefixes and suffixes. It is designed to stimulate the student thinking process including proper use and pronunciation of medical terms.

**INFO-1098 Introduction to Online Learning** Introduction to Online Learning presents common technical skills and learning activities that support success in online learning environments.

**INFO-1100 Microcomputer Applications** This course focuses on the fundamentals of word processing, spreadsheets and presentation graphics in a windows-based environment and includes the integration of these applications. Keyboarding skills are recommended.

**INFO-1220 Introduction to Information Technology** This is an introductory course designed to impart an understanding of electronic information processing to the student. No previous experience is required. The course attempts to clarify the concepts, mechanics, new developments, social evolutions and future implications of electronic information processing.

**LPNR-1110 Body Structure and Function** This course is planned to give the practical nursing student a working knowledge of body structure and function from the cell to the body systems.

