

BASIC HEALTH SCIENCES (BHS)

BHS 1000 – Introduction to Patient Care

Credit Hours: 2.00 Total Contact Hours: 3.00 Lecture Hours: 1.00 Lab Hours: 2.00

Provides an overview of the roles, requirements and features of selected healthcare professions. Introduction to basic responsibilities for patient care including professionalism, communication and legal/ethical considerations will be made with facilitation for student performance during lab sessions. Content related to the preparation for patient care will be examined including the utilization of appropriate medical terminology and abbreviations, charting and documentation in the clinical setting. Laboratory sessions will focus on competency in patient positioning, bed mobility, transfers, basic gait and transport techniques, selection and fitting of mobility aids and wheelchairs, basic ADL and home safety, infection control procedures and aseptic techniques, sterilization and disinfection of equipment, and basic bedside assessment of the patient including vital signs, heart and lung sounds, communication skills and age-appropriate considerations.

Offered: Summer, Spring

Corequisites: BIO 1000 or BIO 1110.

BHS 1140 – Certified Nurse Aide Training

Credit Hours: 5.00 Total Contact Hours: 6.36 Lecture Hours: 4.00 Lab Hours: 1.28 Clinical/Other Hours: 1.08

Uses the Ohio Department of Health Standards and Guidelines as the curriculum, the requirements for Ohio's Nurse Aide and Competency Evaluation Program, as established by Chapter 3701-18 of the Administrative Code of the State of Ohio, are presented. Students who successfully complete the course receive a certificate and are eligible to take the state test for nurse aides. 'C' grade policy applies.

Offered: Summer, Fall, Spring.

BHS 1150 – Applied Functional Anatomy

Credit Hours: 4.00 Total Contact Hours: 6.00 Lecture Hours: 2.00 Lab Hours: 4.00

Involves detailed study of musculoskeletal anatomy and how it relates to functional human movement. Students will study descriptive medical terminology, osteology, arthrology, neurology and be introduced to basic muscle physiology. Emphasis is placed on origin, insertion, action, and innervation of major muscles along with the ligamentous integrity of peripheral joints of the human body. Common conditions of the musculoskeletal system are introduced. Group laboratory activities will focus on visualization of bony landmarks, muscles and nerves on anatomical models and other visualization software. Students will also learn to locate these structures on their peers during laboratory sessions.

Offered: Fall.

BHS 1160 – Medical Law-Ethics Healthcare

Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00

Introduces the principles of law, ethics, etiquette, and bioethics as they apply to the healthcare worker. The medical record as a legal document is reviewed. Issues of treatment consent, patient confidentiality, and technology's impact on healthcare delivery is addressed. Discussion of governmental regulations, legal statutes, and their impact on healthcare delivery.

Offered: Summer, Fall, Spring.

BHS 1310 – CPR

Credit Hours: 0.50 Total Contact Hours: 0.66 Lecture Hours: 0.33 Lab Hours: 0.33

Meets the didactic and practical skills applications required by the American Heart Association for the Health Care Provider CPR certification. The American Heart Association strongly promotes knowledge and proficiency in BLS, ACLS, and PALS and have developed instructional materials for this purpose. Use of these materials in an educational course does not represent course sponsorship by the American Heart Association. Any fees charged for such a course, except for a portion of fees needed for AHA course materials, do not represent income to the Association. This course is graded S/U.

Offered: Summer, Fall, Spring.

BHS 1315 – CPR Renewal

Credit Hours: 0.50 Total Contact Hours: 0.52 Lecture Hours: 0.26 Lab Hours: 0.26

Demonstrates the American Heart Association's requirements for a certification in Health Care Provider CPR. The American Heart Association strongly promotes knowledge and proficiency in BLS, ACLS, and PALS and has developed instructional materials for this purpose. Use of these materials in an educational course does not represent course sponsorship by the American Heart Association. Any fees charged for such a course, except for a portion of fees needed for AHA course materials, do not represent income to the Association. This course is graded S/U.

Offered: Summer, Fall, Spring

Prerequisites: BHS 1310.

BHS 1320 – CPR and First Aid

Credit Hour: 1.00 Total Contact Hour: 2.00 Lecture Hour: 1.00 Lab Hour: 1.00

Demonstrates the didactic and practical skills applications required by the American Heart Association (AHA) for the Health Care Provider CPR certification and the Heartsaver First Aid certification. The BLS for Healthcare Providers course is designed to provide a wide variety of certified or non-certified, licensed or non-licensed, healthcare professionals with the skills to keep people alive until they can be brought to a hospital or be treated with more advanced lifesaving measures. The course covers: First Aid Basics, Medical Emergencies, Injury Emergencies, and Environmental Emergencies. The AHA strongly promotes knowledge and proficiency in BLS, ACLS, and PALS and has developed instructional materials for this purpose. Use of these materials in an educational course does not represent course sponsorship by the AHA. Any fees charged for such a course, except for a portion of fees needed for AHA course materials, do not represent income to the Association. This course is graded S/U.

Offered: Fall.

BHS 1330 – Foundations in Pharmacology

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Focuses on the general principles of pharmacology and selected drug classifications related to the cardiac, circulatory, respiratory, endocrine, neurological, and musculoskeletal systems.

Offered: Spring

Prerequisites: BIO 1110.

BHS 1380 – Introduction to Medical Terminology**Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00**

Introduces the student to the components of the language of medicine. Medical terms are identified using the basic elements of prefixes, suffixes, combining forms, root words, plural formations, and abbreviations. Correct spelling and pronunciation are reviewed in depth. Creation and division of medical terms is stressed. Class may be offered as a fast-break class.

Offered: Fall, Spring.**BHS 1390 – Medical Terminology****Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00**

Discusses an understanding of foundational medical terminology used in communication with the health care team. Terminology pertaining to the treatment of disease, including standard abbreviations, anatomic, diagnostic, symptomatic, eponymic, laboratory, pathologic, radiology, anesthetic, operative, and drug items will be covered in this course.

Offered: Summer, Fall, Spring**Transfer:** TAG.**BHS 1530 – 12 Lead ECG Interpretation****Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00**

Provides instruction in the procedure used to accomplish the recording of a 12-lead EKG and the interpretation of the resulting diagnostic data. The student will develop a familiarity with EKG equipment and be able to discuss lead placement, bipolar, unipolar, and pericardial leads. Additionally, the ability to recognize recording errors and artifacts will be stressed. A systematic approach to interpreting the results of the 12-lead recording based on proper evaluation of the standard hexaxial system is described.

Offered: Spring.**BHS 1540 – Advanced Cardiac Diagnostics****Credit Hours: 3.00 Total Contact Hours: 4.00 Lecture Hours: 2.00 Lab Hours: 2.00**

Provides instruction in advanced EKG procedures: 12, 15 & 18 Lead electrocardiography; cardiac stress testing; diagnostic holter monitoring, pacemaker analysis and metabolic testing. Successful completion of this course along with the prerequisite course will prepare the student to sit for a nationally recognized credential - Certified Cardiographic Technologist (CCT).

Offered: Spring.**BHS 1560 – Smoking Cessation Education****Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00**

Using a structured model, this course will help you build an effective patient education presentation. This model will lead you through five important steps: concept; planning; organization; presentation; and evaluation. Special emphasis is placed on a particular topic that crosses all disciplines in healthcare education: smoking cessation. This course is geared toward healthcare professionals, but the concepts are valid in any career path.

Offered: Fall, Spring.**BHS 1570 – First Responder****Credit Hours: 2.00 Total Contact Hours: 2.67 Lecture Hours: 1.34 Lab Hours: 1.33**

Learns how to treat a sick or injured person prior to advanced EMS personnel reach the scene. Topics include airway management, patient assessment, cardiac management, illness and injury management, children and childbirth. Successful completion of all written and practical examinations enables the student to challenge the National Registry of Emergency Medical Technicians, First Responder Exam. Certification in the State of Ohio requires successful completion of the National Registry of Emergency Medical Technicians, First Responder Exam.

Offered: Fall.**BHS 1711 – Pathophysiology for Healthcare****Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00**

Explores the basis of human diseases and disorders. Emphasis is placed on the effects of basic pathophysiology processes which occur in various organ systems with common degenerative, neoplastic, metabolic, immunologic, and infectious diseases/disorders. "C" grade policy applies for nursing majors.

Offered: Summer, Fall, Spring**Corequisites:** BIO 1120.**BHS 1750 – Introduction to Pharmacy Technician****Credit Hours: 6.00 Total Contact Hours: 8.00 Lecture Hours: 4.00 Lab Hours: 4.00**

Prepares the student to acquire the knowledge and skills necessary to competently practice in a variety of specialized healthcare facilities as a pharmacy technician. The topics covered include law and rule, basic pharmacology, medication preparation, distribution, dosage calculations, medication order interpretation, and maintenance of patient records at the direction of licensed pharmacist. Successful completion of this course allows the student to take the Pharmacy Technicians Certification Board (PTCB) examination.

Offered: Fall.**BHS 1845 – Phlebotomy Principles and Practice****Credit Hours: 2.00 Total Contact Hours: 3.00 Lecture Hours: 1.00 Lab Hours: 2.00**

Provides didactic and classroom skills instruction in the practice of phlebotomy and general laboratory procedures. The student will be required to demonstrate competency in the performance of designated procedures through skills check-offs. This course is a part of the Structured Phlebotomy Program together with BHS 1850. Students must be 18 years old or older and be a high school graduate or hold equivalent certificate.

Offered: Summer, Fall, Spring**Corequisites:** BHS 1850.**BHS 1850 – Phlebotomy Clinical****Credit Hour: 1.00 Total Contact Hour: 5.00 Clinical/Other Hour: 5.00**

Provides the opportunity for practical application and skill development in phlebotomy. Students will complete clock hours of clinical training and orientation in an accredited laboratory with a minimum performance of 100 successful unaided blood collections including venipunctures and skin punctures. Student must be at least 18 years old and be a high school graduate or hold equivalent certification.

Offered: Summer, Fall, Spring**Corequisites:** BHS 1845.

BHS 2000 – Advanced Patient Care

Credit Hours: 5.00 Total Contact Hours: 8.00 Lecture Hours: 2.00 Lab Hours: 6.00

Provides advanced knowledge and skills utilized in the clinical setting. Includes navigation and documentation in electronic health records, safety in the preparation and collection of laboratory specimens, basic pharmacology, and competency in providing assistance with patient exam and in direct patient care. Includes lab activities and experiential learning to facilitate professionalism and career readiness.

Offered: Spring

Prerequisites: BHS 1000.

BHS 2100 – Advanced Cardiac Life Support

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Provides instruction in the core knowledge and skills needed to complete the course of study for the Adult Cardiac Life Support (ACLS) credential as established by the American Heart Association. 'C' grade policy applies.

Offered: Fall

Prerequisites: Current AHA BLS for Healthcare Providers card.

BHS 2110 – Growth and Development: Lifespan

Credit Hours: 2.00 Total Contact Hours: 2.00 Lecture Hours: 2.00

Provides the student with an understanding of the physical, psychological, and social development and needs, as well as the developmental tasks of the child through school age, adolescent, young adult, middle aged and elderly. This course provides the foundation for understanding the well individual across the lifespan. 'C' grade policy applies.

Offered: Summer, Fall, Spring.

BHS 2120 – Introduction to Nursing

Credit Hours: 2.00 Total Contact Hours: 3.00 Lecture Hours: 1.00 Lab Hours: 2.00

Introduces students to the field of nursing. Students will learn about the History of Nursing, Scope of Practice/Law & Rule, Medical Ethics, Professionalism, Nursing Process, Health/Wellness, Communication, Time-Management and Prioritization, Evidence-Based Practice, and Clinical Judgment/Reasoning. Introductory skills of Vital signs, Intro to calculations, infection control, patient safety, Health Assessment, Sterile concepts, Medical Terminology, and Electronic Documentation. Students who successfully complete this course will be prepared to enter the first semester clinical course for the nursing programs. 'C' grade policy applies.

Offered: Summer, Fall, Spring.

BHS 2200 – Pediatric Advanced Life Support

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Provides instruction in the core knowledge and skills needed to complete the course of study for the Pediatric Advanced Life Support (PALS) credential as established by the American Heart Association. 'C' grade policy applies.

Offered: Fall

Prerequisites: Current AHA BLS for Healthcare Providers card.

BHS 2300 – Neonatal Resuscitation

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Provides instruction in the core knowledge and skills needed to complete the course of study for Neonatal Resuscitation as described by the American Academy of Pediatrics and the American Heart Association. 'C' grade policy applies.

Offered: Fall

Prerequisites: American Heart Association Basic Life Support Healthcare Professional.

BHS 2500 – Health and Wellness Capstone

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Taken during the semester of scheduled graduation for Health and Wellness majors. A capstone project will be required which is relevant to the student's area of specialization and which integrates a holistic approach to health and wellness. This course is graded S/U.

Offered: Summer, Fall, Spring

Prerequisites: COM 1110, Completion of core courses in area of specialization.

BHS 2600 – Health Science Technology Capstone 

Credit Hour: 1.00 Total Contact Hour: 1.00 Lecture Hour: 1.00

Provides an opportunity for the prospective graduate to demonstrate achievement of the program's learning outcomes as well as the college's general education and core skills and abilities. A capstone project will be completed in the student's area of specialization. The course will include an examination of the student's growth in diversity, critical thinking, and writing. Other elements of the course include an e-portfolio writing assignment and the completion of selected Collegiate Assessment of Academic Proficiency tests. The capstone course concludes with a role-transition experience that includes resume development, effective interview skills, and career laddering. This course is graded S/U.

Offered: Summer, Fall, Spring

Prerequisites: COM 1110, Completion of core courses in area of specialization.

BHS 2700 – Special Topics in Allied Health

Credit Hours: 0.00 Total Contact Hours: 0.00

Serves as a vehicle for specialized college study in specific healthcare content not otherwise covered by regular curriculum. This course is individually tailored for each student need for career pathway development and may be taught using individualized learning contracts or may be taught in traditional method for specific cohorts in specialized training experiences.

Offered: Summer, Fall, Spring.