

BASIC HEALTH SCIENCES (BHS)

BHS 1100 – Patient Care Technician I

4 Credit hours

Demonstrates knowledge of infection control fundamentals, laboratory safety, collection/processing of laboratory specimens, assisting with patient exam and treatment, the medical record and safety practices in the medical environment. Hands-on course work that consists of related classroom instruction and practical hands-on projects and experiences.

Corequisites: BHS 1390, BIO 1000.

BHS 1120 – Patient Care Technician II

4 Credit hours

Demonstrates knowledge and skills of a patient care technician to include vital signs, basic patient care skills (inpatient and outpatient) and basic pharmacology. Demonstration of overall professionalism and career readiness. Hands-on course work that consists of related classroom instruction and practical hands-on projects and experiences.

Prerequisites: BHS 1100

Corequisites: BHS 1160.

BHS 1140 – State Tested Nurse Aide Training

5 Credit hours

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.

Prerequisites: CPR for the Healthcare Provider certified or BHS-1311.

BHS 1160 – Medical Law-Ethics Healthcare

2 Credit hours

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.

BHS 1310 – CPR

0.5 Credit hours

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.

BHS 1315 – CPR Renewal

0.5 Credit hours

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.

Prerequisites: BHS 1310.

BHS 1320 – CPR and First Aid

1 Credit hour

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.

BHS 1330 – Foundations in Pharmacology

1 Credit hour

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

Prerequisites: BIO 1110 and currently enrolled into an Allied Health Program.

BHS 1380 – Introduction to Medical Terminology

2 Credit hours

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.

BHS 1390 – Medical Terminology

2 Credit hours

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.

Transfer: TAG.

BHS 1530 – 12 Lead ECG Interpretation**1 Credit hour**

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.

BHS 1540 – Advanced Cardiac Diagnostics**3 Credit hours**

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).

Prerequisites: BHS 1530

Corequisites: BHS-1540L.

BHS 1560 – Smoking Cessation Education**1 Credit hour**

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.

BHS 1570 – First Responder**2 Credit hours**

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.

BHS 1711 – Pathophysiology for Healthcare**2 Credit hours**

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.

Corequisites: BIO 1120.

BHS 1750 – Introduction to Pharmacy Technician**6 Credit hours**

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.

BHS 1840 – Phlebotomy Principles and Practice**3 Credit hours**

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 as defined by the American Society of Clinical Pathologists (ASCP) and together with BHS 1850, prepares the successful student to sit for the ASCP PBT examination.

BHS 1850 – Phlebotomy Clinical**1 Credit hour**

Provides the opportunity for practical application and skills development for concepts learned in BHS 1840 Phlebotomy Principles & Practice. Students will complete 100 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. This course is part of the Structured Phlebotomy Program as defined by the American Society of Clinical Pathologists (ASCP). Successful completion of this course along with BHS 1840 prepares the student to sit for the ASCP PBT certification exam. Student must be a high school graduate or hold equivalent certification.

BHS 2100 – Advanced Cardiac Life Support**1 Credit hour**

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.

Prerequisites: Current AHA BLS for Healthcare Providers card.

BHS 2110 – Growth and Development: Lifespan**2 Credit hours**

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.

BHS 2200 – Pediatric Advanced Life Support**1 Credit hour**

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.

Prerequisites: Current AHA BLS for Healthcare Providers card.

BHS 2300 – Neonatal Resuscitation**1 Credit hour**

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.

Prerequisites: American Heart Association Basic Life Support Healthcare Professional.

BHS 2500 – Health and Wellness Capstone **1 Credit hour**

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.

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

BHS 2600 – Health Science Technology Capstone  **1 Credit hour**

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.

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

BHS 2700 – Special Topics in Allied Health**1-4 Credit hours**

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.