Applied Health Science-Respiratory Care

Bachelor of Science in Applied Health Science College of Health and Human Services

Respiratory Care Specialization

The applied health science degree with respiratory care specialization is designed to prepare students for advanced practice in respiratory care. The degree is designed to build upon an existing associate degree in respiratory care. The degree option offers students a sequence of advanced study and an opportunity to further specialize in the field of respiratory care. Two capstone courses provide a unique feature to the program by enabling students to select a specific area of interest. Capstone coursework is individually tailored and provides focused field experience, mentor input, research and seminar components. The program provides students with knowledge, skills and experiences that enhance their marketability and potential career advancement. Further, the program allows students to pursue further education at the graduate level. This specialization offers baccalaureate courses needed for advancement in respiratory care.

Admission Requirements

The student must hold an associate degree in respiratory care prior to the completion of the baccalaureate program and before submitting a proposal for capstone coursework. Transfer coursework from accredited colleges and universities are acceptable if determined equivalent by the transfer evaluation office. Transfer students must meet BGSU requirements for admission.

Admission to Capstone Coursework

Capstone coursework is designed to be completed after the student has completed the majority of their coursework for the degree. Students must submit a proposal for their personal learning plan related to the capstone experience. The student may also need to provide documentation of required health work; obtain required insurances; and/or meet physical requirements guidelines, depending on the capstone experience approved for them. Current program and clinical policies and procedures will apply to all capstone experiences.

Curriculum

Curriculum is designed to broaden knowledge base by providing an appropriate academic foundation for the dynamic changes and issues that shape the respiratory care profession and the health care field. This includes courses in human development, computer science, statistics, public health, legal studies, health and disease, management and respiratory care. The university requires 40 semester hours at the 3000-4000 course level for the baccalaureate degree. The total hours needed for graduation is 122 (see current Check Sheet).

Preparation for College

In addition to obtaining a strong background in the basic sciences, students entering health care fields must have a sense of responsibility, a caring attitude and strong communication skills. Completing the requirements for high school graduation is necessary for admission to BGSU, but only finishing the minimum coursework will leave you unprepared for college. Consider taking four years of mathematics instead of the three that are required. Foreign language preparation and computer skills are also highly recommended.

Sample Program

The respiratory care specialization requires that the student complete an accredited associate degree program in respiratory care (Advanced Practitioner Level). All students must receive initial advising in order to choose an option and develop a degree plan. The number in parenthesis indicate credit hours.

Respiratory Care Specialization

First Year

Introductory Writing (3)
Varieties of Writing (3)

College Algebra (3-5)
Introduction to Biology (5)
General Chemistry (4)
Human Anatomy and Physiology (8)
Microbiology (4)
General Psychology (3-4)
Medical Terminology (2)

Second Year

Pharmacology (3)
Introduction to Respiratory Care (2)
Principles of Respiratory Care I, II (6)
Cardiopulmonary/Renal Anatomy and Physiology (3)
Pulmonary Pathophysiology (3)
Respiratory Critical Care Procedures (4)
Respiratory Directed Practice (3)
Neonatal and Pediatric Respiratory Care (3)
BG Perspective Elective (3)

Third Year

Advanced Cardiac Life Support (3)
Respiratory Directed Practice (8)
Principles of Respiratory Care (3)
Bio or Medical Ethics (3)
Cases and Reviews in Respiratory Care (3)
Principles of Sociology (3)
Life Span Development (3)
Computer Basics or Management Information Systems (3)
Statistics (3)

Fourth Year

International Perspective Requirement (3)
Cultural Diversity in the U.S. (3)
Intro. to Public Health (3)
Research Methods (3)
Intro. to Human Diseases (3)
Health Care Law (3)
Issues in Health Care Administration (3)
Principles of Organization and Management (3)
Respiratory Care Capstone Experience and Seminar 1, 2 (6)

Note: The sequence of courses may vary depending on course scheduling.
Learning Outcomes

Upon completion of the baccalaureate degree, students are expected to:

1. Meet nationally accepted standards for the scope of practice of the advanced respiratory care practitioner;
2. Utilize and apply knowledge of accepted respiratory care procedures in the diagnostic evaluation, treatment, and management of patients;
3. Perform all of the clinical procedural skills associated with the practice of the advanced respiratory care professional;
4. Behave in accordance with the code of ethics for the advanced respiratory care professional;
5. Master fundamental principles of natural, physical, and social science and mathematics related to respiratory care;
6. Read the scientific literature and critically evaluate clinical research findings related to respiratory care;
7. Use reference materials, empirical methods, and statistical and computing skills to solve occupational problems, detect/resolve problems and errors, and develop/test/validate new models;
8. Abide by safety rules, policies, and regulations recognizing any unsafe conditions and correcting them;
9. Instruct others in occupational practices and procedures;
10. Supervise the work of entry-level personnel;
11. Make decisions based on ethical principles

College Highlights

BGSU’s College of Health and Human Services was the first collegiate unit in northwest Ohio devoted exclusively to academic programs in health and human services. There are 8 active student organizations with many connected to their national professional affiliation. Each degree program emphasizes hands-on opportunities through practical experiences and laboratory courses. The College of Health and Human Services designed the Bachelor of Applied Health Science – Respiratory Care Specialization especially for respiratory care graduates from BGSU’s only regional campus in Huron, Ohio (BGSU Firelands College). BGSU Firelands also has a satellite campus at Lorain County Community College in Elyria, Ohio. The degree is available and accessible to graduates from both campuses.

For Further Information

Rod C. Roark, Senior Lecturer
Department of Applied Science
Program Director of Respiratory Care
BGSU Firelands
One University Drive
Huron, Ohio, 44839
419-433-5560 ext. 2-0865
email: rroark@bgsu.edu

Debralee Divers, Director
Enrollment Management & Student Retention Services
419-433-5560 ext. 2-0629
email: divers@bgsu.edu

Cheryl L. Chafee, Asst. Director
Admissions and Financial Aid
419-433-5560 ext. 2-0683
email: cchafee@bgsu.edu

Web site: www.firelands.bgsu.edu

Your University Opportunity

BGSU Firelands, located in Huron, Ohio, is a regional campus and one of the seven undergraduate colleges of Bowling Green State University. We offer many of the advantages and resources of a major university, but in a smaller, more personal environment.

Generally, students are able to complete at least two years of coursework toward most of the 200-degree programs at BGSU before transferring to the main campus, or to another college or university.

BGSU Firelands offers students a wireless environment campus wide. Kiosks and public-access computers located in most campus buildings provide easy Internet access. In addition, there are several on-campus computer labs with a variety of computers and software programs.

The library, containing more than 30,000 volumes, is computer-linked to the more than 4 million items available through BGSU’s libraries to provide excellent research opportunities.

NOTE: Information in this guide is subject to change without notice.