

# BGSU Firelands

## 2009-2010 Respiratory Care Technology Associate of Applied Science Degree Program

**DRAFT**

Student name \_\_\_\_\_

BGSU ID \_\_\_\_\_

Student e-mail \_\_\_\_\_

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Students are responsible for adhering to all college and university requirements & policies as stated in the BGSU Undergraduate Catalog. Prerequisites shown below are for reference only.

Communication		Pre-Req	Cr	T	G
English 112 is required. Based on placement scores, ENG 110 or ENG 111 may also be required. No more than 6 hours of ENG 110/111/112 count toward graduation. IPC 102 or 306 is also required.					
ENG 110	Developmental Writing	placement	5		
ENG 111	Introductory Writing	placement	3		
ENG 112	Varieties of Writing	placement	3		

Mathematics		Pre-Req	Cr	T	G
MATH 112, MATH 115, MATH 120, or STAT 200 is required. Based on placement tests, MATH 090 and/or MATH 095 may also be advised. MATH 090 and MATH 095 do not count toward graduation.					
MATH 090	Elementary Algebra	placement	3		
MATH 095	Intermediate Algebra	placement	3		
MATH 112 or	College Algebra I	placement	3		
MATH 115* or	Introduction to Statistics	placement	3		
MATH 120* or	College Algebra	placement	5		
MATH 122* or	College Algebra II	placement	3		
STAT 200	Using Statistics		3		

BG Perspective		Pre-Req	Cr	T	G
General Psychology (e.g., PSYC 101)			3-4		
Elective			3		

CHEM 109/110 may be used as a BG Perspective Elective.

\* CHEM 109/110, BIOL 331 & 332, BIOL 314 & 315, MATH 115, MATH 120 or 122 are recommended for students who plan to pursue a baccalaureate degree.

Basic Courses		Pre-Req	Cr	T	G
CHEM 109/110* or	Elementary Chemistry/Laboratory	CHEM 100 or	4		
AHTH 132	Applied Physical/Chemical Principles for Allied Health	H.S. chemistry	3		
AHTH 131 or	Basic Anatomy and Physiology for Allied Health		5		
BIOL 331 & 332*	Human Anatomy and Physiology I & II	BIOL 104 or 205	8		
AHTH 130 or	Basic Microbiology		3		
BIOL 314 & 315*	Microbiology for Health Professionals/Laboratory		4		

Technical Courses		Pre-Req	Cr	T	G
RESP 105	Introduction to Respiratory Care		2		
RESP 120	Principles of Respiratory Care I	see catalog	3		
RESP 121	Principles of Respiratory Care II	see catalog	3		
RESP 202	Cardiopulmonary/Renal Anatomy and Physiology	see catalog	3		
RESP 221	Respiratory Critical Care Procedures	see catalog	4		
RESP 222	Principles of Respiratory Care III	see catalog	3		
RESP 240	Neonatal and Pediatric Respiratory Care	see catalog	3		
RESP 351	Advanced Cardiac Life Support	see catalog	3		
RESP 360	Cases and Reviews in Respiratory Care	see catalog	3		

Clinical Core		Pre-Req	Cr	T	G
RESP 251	Respiratory Care Directed Practice	see catalog	2		
RESP 261	Respiratory Care Directed Practice	see catalog	3		
RESP 271	Respiratory Care Directed Practice	see catalog	3		
RESP 281	Respiratory Care Directed Practice	see catalog	3		

Supportive Core		Pre-Req	Cr	T	G
AHTH 140	Pharmacology for Allied Health		3		
RESP 203	Pulmonary Pathophysiology	see catalog	3		
ETHICS	Medical Ethics or Bioethics (e.g. PHIL 242)	see adviser	2-3		
MED. TERM.	Medical Terminology (e.g., MEDT 301)	see adviser	2		

Technical Electives (optional)		Pre-Req	Cr	T	G
RESP 290	Special Topics in Respiratory Care	see catalog	1-3		

Each student must complete a sufficient number of electives to earn a minimum of 62 semester hours. At least 15 hours must be completed at BGSU immediately before graduation. Please check with your adviser for appropriate course selections.

### Pre-Professional Course Requirements

ENG 112	Varieties of Writing	(3)
MATH 112	College Algebra I	(3) OR
MATH 120	College Algebra	(5) OR
MATH 115	Introduction to Statistics	(3) OR
STAT 200	Using Statistics	
GEN PSYC	(e.g., PSYC 101 General Psychology)	(3-4)
CHEM 100	Introduction to Chemistry	(3) OR HS Chemistry
CHEM 109/110	Elementary Chemistry/Laboratory	(4) OR
AHTH 132	Applied Physical and Chemical Principles for Allied Health/Lab	(3)*
BIOL 331	Human Anatomy & Physiology I/lab	(4) **
BIOL 332	Human Anatomy & Physiology II/lab	(4) ** OR
AHTH 131	Human Anatomy & Physiology for Allied Health/Lab	(5)
BIOL 314/315	Microbiology for Health Professionals/lab	(4) ** OR
AHTH 130	Basic Microbiology/lab	(3)
AHTH 140	Pharmacology for Allied Health	(3) ***
MED. TERM.	(e.g., MEDT 301)	(2)
Ethics Req.	Medical Ethics or Bioethics (e.g., PHIL 242)	(2-3)
BG Perspective	Not required if taking CHEM 109/110	3

**Total Pre-professional Hours: 27-28**

### Professional Course Requirements

AHTH 140	Pharmacology for Allied Health	(3)
RESP 105	Introduction to Respiratory Care	(2)
RESP 120	Principles of RESP I with lab	(3)
RESP 121	Principles of RESP II with lab	(3)
RESP 202	Cardiopulmonary/Renal A & P	(3)
RESP 203	Pulmonary Pathophysiology	(3)
RESP 221	Respiratory Critical Care Procedures with lab	(4)
RESP 222	Principles of RESP III with lab	(3)
RESP 251	RESP Directed Practice	(2)
RESP 240	Neonatal & Pediatric RESP	(3)
RESP 261	RESP Directed Practice	(3)
RESP 271	RESP Directed Practice	(3)
RESP 360	Cases and Reviews in RESP	(3)
RESP 281	RESP Directed Practice	(3)
RESP 351	Advanced Cardiac Life Support	(3)

**Total Professional Hours: 44**

\* Students taking AHTH 132 instead of CHEM 109/110 will need to obtain a BG Perspective Elective (3).

\*\* Students taking BIOL 331, 332 instead of technical options will also need to take the prerequisite.

\*\*\* AHTH 140 is part of the pre-professional course requirements for students enrolled at LCCC.

For students enrolled in coursework on the Huron campus AHTH is part of the professional (second year) requirements.

## **Admission:**

Students interested in the respiratory care technology degree program must make formal application.

Students must meet the following criteria for consideration:

1. Be formally admitted to BGSU;
2. Be a graduate of an accredited high school and have attained an overall GPA of 2.0 on a 4 point scale in high school or, have earned the GED;
3. Submit a program application to the academic adviser (Ms. Robin Garland for LCCC campus-based students; Mr. Rod Roark for Firelands campus-based students). Applications are due by April 1 for Fall admission;
4. Complete prerequisites (Pre-professional requirements) with a grade of "C" or higher in all AHTH, BIOL, and CHEM coursework (or equivalent coursework if transferring from another accredited institution);
5. Maintain a cumulative GPA of 2.5 or higher on a 4 point scale for all college/university coursework;
6. Complete a hospital/medical center tour of a respiratory or cardiopulmonary services department and submit the observation verification form to the academic adviser;
7. Complete an interview with the respiratory care admissions committee. Note: Admission decisions and notifications are made by June 1 for fall admission. All admissions are subject to approval by the respiratory care admissions committee.

## **Program Progression:**

After gaining admittance into the degree program, students must continue to meet the following standards to progress:

1. Maintain a cumulative GPA of 2.5 or higher;
2. Maintain a grade of "C" or higher in all RESP coursework;
3. Successfully complete (pass according to National Board for Respiratory Care "cut scores") the following NBRESP/AMP self assessment examinations prior to graduation. Entry Level Exam, Advanced Practitioner Exam (RRT Written) (see Directed Practice Syllabi);
4. Comply with all program policies and procedures.

## **Clinical Admission:**

To be admitted to the clinical portion of the degree program, students must meet the following requirements:

1. Have a cumulative GPA of 2.5 or higher on a 4 point scale;
2. Have a "C" or higher in all RESP, AHTH, CHEM, and BIOL coursework;
3. Obtain and provide documentation for all required health work, including a physical examination, lab work, and immunizations according to clinical policy (see RESP policy and procedure manual);
4. Obtain group professional liability insurance (\$1,000,000/\$3,000,000). Applications are available from the office of the Coordinator of Career Services at BGSU Firelands College. Students must also submit documentation of auto liability insurance coverage (for driving to and from clinical assignments);
5. Meet all clinical policy requirements as stated in the Respiratory Care Clinical Policy and Procedure manual (e.g. Physical Requirements Policy);
6. Complete a criminal background check.