

# BGSU Firelands

## Fall 2017 Respiratory Care Technology

### Associate of Applied Science Degree Program

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.

Student Name \_\_\_\_\_

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

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

Advisor: \_\_\_\_\_

e-mail: \_\_\_\_\_

Office: \_\_\_\_\_

Communication	Pre-Req	Cr	T	G
GSW 1120 is required. Based on placement scores, GSW 1100 or GSW 1110 may also be required. No more than 6 hours of GSW 1100/1110/1120 count toward graduation.				
GSW 1100 Intensive Intro. to Acad. Wr.	placement	5		
GSW 1110 Intro. to Academic Writing	placement	3		
GSW 1120 Academic Writing	placement	3		
Mathematics	Pre-Req	Cr	T	G
MATH 1220, MATH 1150, MATH 1200, or STAT 2000 is required. Based on placement tests, MATH 90 and/or MATH 95 may also be advised. MATH 90 and MATH 95 do not count toward graduation.				
MATH 90 Elementary Algebra	placement	3		
MATH 95 Intermediate Algebra	placement	3		
MATH 1150* or Introduction to Statistics (QL)	placement	3		
MATH 1200* or College Algebra (QL)	placement	5		
MATH 1220* or College Algebra II (QL)	placement	3		
BG Perspective	Pre-Req	Cr	T	G
General Psychology (e.g., PSYC 1010)		3-4		
Elective		3		

CHEM 1090/1100 may be used as a BG Perspective Elective.

\* CHEM 1090/1100, BIOL 3310 & 3320, BIOL 3140 & 3150, MATH 1150, MATH 1200 or 1220 are recommended for students who plan to pursue a baccalaureate degree.

*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 advisor for appropriate course selections.*

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Basic Courses	Pre-Req	Cr	T	G
CHEM 1090/1100* or Elementary Chemistry/Laboratory	CHEM 1000 or	4		
AHTH 1320 Applied Physical/Chemical Principles for Allied Health	H.S. chemistry	3		
AHTH 1310 or Basic Anatomy and Physiology for Allied Health		5		
BIOL 3310 & 3320* Human Anatomy and Physiology I & II	BIOL 1040 or 2050	8		
AHTH 1300 or Basic Microbiology		3		
BIOL 3140 & 3150* Microbiology for Health Professionals/Laboratory		4		

Technical Courses	Pre-Req	Cr	T	G
RESP 1050 Introduction to Respiratory Care		2		
RESP 1200 Principles of Respiratory Care I	see catalog	3		
RESP 1210 Principles of Respiratory Care II	see catalog	3		
RESP 2020 Cardiopulmonary/Renal Anatomy and Physiology	see catalog	3		
RESP 2210 Respiratory Critical Care Procedures	see catalog	4		
RESP 2220 Principles of Respiratory Care III	see catalog	3		
RESP 2400 Neonatal and Pediatric Respiratory Care	see catalog	3		

Clinical Core	Pre-Req	Cr	T	G
RESP 2510 Respiratory Care Directed Practice	see catalog	3		
RESP 2610 Respiratory Care Directed Practice	see catalog	2		
RESP 2710 Respiratory Care Directed Practice	see catalog	3		
RESP 2810 Respiratory Care Directed Practice	see catalog	3		

Supportive Core	Pre-Req	Cr	T	G
RESP 2030 Pulmonary Pathophysiology	see catalog	3		
RESP 3100 Pharmacology for Respiratory Care	see catalog	3		
ETHICS Medical Ethics or Bioethics (e.g. PHIL 2420)	see advisor	2-3		
MED. TERM. Medical Terminology (e.g., AHS 3010)	see advisor	2		

Technical Electives (optional)	Pre-Req	Cr	T	G
AHTH 1400 Pharmacology for Allied Health		3		
RESP 2900 Special Topics in Respiratory Care	see catalog	1-3		
RESP 3400 Advanced Respiratory Care Practitioner Review	see catalog	2		
RESP 3510 Adv Cardiac Life Support OR AHA ACLS Certification	See Advisor	3		
RESP 3600 Cases and Reviews in Respiratory Care	see catalog	3		

### Pre-Professional Course Requirements

Fall 2017 Respiratory Care Technology		
	Academic Writing	(3)
MATH 1220	College Algebra II	(3) OR
MATH 1200	College Algebra	(5) OR
MATH 1150	Introduction to Statistics	(3) OR
STAT 2000	Using Statistics	
GEN PSYC	(e.g., PSYC 1010 General Psychology)	(3-4)
CHEM 1000	Introduction to Chemistry	(3) OR HS Chemistry
CHEM 1090/1100	Elementary Chemistry/Laboratory	(4) OR
AHTH 1320	Applied Physical and Chemical Principles for Allied Health/Lab	(3)*
BIOL 3310	Human Anatomy & Physiology I/lab	(4) **
1120 count toward	Human Anatomy & Physiology II/lab	(4) ** OR
AHTH 1310	Human Anatomy & Physiology for Allied Health/Lab	(5)
BIOL 3140/3150	Microbiology for Health Professionals/lab	(4) ** OR
AHTH 1300	Basic Microbiology/lab	(3)
AHTH 1400	Pharmacology for Allied Health	(3) ***
MED. TERM.	(e.g., AHS 3010)	(2)
Ethics Req.	Medical Ethics or Bioethics (e.g., PHIL 2420)	(2-3)
BG Perspective	Not required if taking CHEM 1090/1100	3
<b>Total Pre-professional Hours:</b>		<b>27-28</b>

### Professional Course Requirements

RESP 3100	Pharmacology for Respiratory Care	(3)
RESP 1050	Introduction to Respiratory Care	(2)
RESP 1200	Principles of RESP I with lab	(3)
RESP 1210	Principles of RESP II with lab	(3)
RESP 2020	Cardiopulmonary/Renal A & P	(3)
RESP 2030	Pulmonary Pathophysiology	(3)
RESP 2210	Respiratory Critical Care Procedures with lab	(4)
RESP 2220	Principles of RESP III with lab	(3)
RESP 2510	RESP Directed Practice	(2)
RESP 2400	Neonatal & Pediatric RESP	(3)
RESP 2610	RESP Directed Practice	(3)
RESP 2710	RESP Directed Practice	(3)
RESP 2810	RESP Directed Practice	(3)
<b>Total Professional Hours:</b>		<b>38</b>

\* Students taking AHTH 1320 instead of CHEM 1090/1100 will need to obtain a BG Perspective Elective (3).

\*\* Students taking BIOL 3310, 3320 instead of technical options will also need to take the prerequisite.

\*\*\* AHTH 1400 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.

