BACHELOR OF SCIENCE IN RESPIRATORY CARE WITH ADVANCED PLACEMENT OPTION TO MASTER OF RESPIRATORY CARE

Program Director
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ACCREDITATION
The Bachelor of Science in Respiratory Care (CoARC #510019) at Youngstown State University, Youngstown, Ohio is provisionally accredited by the Commission on Accreditation for Respiratory Care (CoARC). www.coarc.com. Current accreditation standing: CoARC granted Provisional accreditation for a maximum annual enrollment of up to 120 students.

Date of last campus visit: May 21, 2021
Date of next campus visit: To be determined

Overview
Respiratory care is an allied health profession concerned with the diagnostic evaluation, treatment, and management of patients with cardiopulmonary disorders. The respiratory care practitioner (RCP) is proficient in:

- therapeutic administration of medical gases and aerosols
- intermittent and continuous mechanical ventilation
- broncho-pulmonary hygiene
- basic and advanced cardiac life support techniques
- non-invasive patient monitoring
- pulmonary function evaluation
- arterial blood gas analysis
- airway management procedures
- pulmonary rehabilitation techniques

A licensed RCP must also be knowledgeable regarding various assessment techniques and patient education models. These skills are used with neonatal, pediatric, and adult patients in acute, sub-acute, and home care settings. To function effectively as a member of the multidisciplinary health care team, the RCP must have a sound understanding of:

- the physiological, psychological, and cultural needs of the patient
- the role of the various therapeutic interventions in the patient care plan
- development of broad-based skills to more effectively contribute to the overall care of the patient

Theory and laboratory experiences are provided prior to the student’s entry into the clinical education phase of the program. This program can be completed in four calendar years. It includes three summer sessions. A sleep diagnostics course is required and offered prior to the clinical education phase of the program. This program can be completed in four calendar years. It includes three summer sessions. A sleep diagnostics course is required and offered prior to the clinical education phase of the program. This program can be completed in four calendar years. It includes three summer sessions. A sleep diagnostics course is required and offered prior to the clinical education phase of the program. This program can be completed in four calendar years. It includes three summer sessions. A sleep diagnostics course is required and offered prior to the clinical education phase of the program.

The advanced placement option allows the undergraduate BSRC student to take up to 9 semester hours of graduate credit that can be applied to the Master of Respiratory Care program. Upon completion of the BSRC, the student must meet the following criteria to be accepted into the Master of Respiratory Care program.

1. Junior standing with an overall GPA of a minimum of 3.2; or,
2. Junior standing in BSRC Completion Program and have completed 15 semester hours of required core upper division courses and have an overall minimum GPA of 3.2

Once accepted into the BSRC Advanced Placement Option, the student must maintain a GPA of 3.0 to continue to take graduate level courses.

Accreditation
The Bachelor of Science in Respiratory Care (CoARC #200247) at Youngstown State University, Youngstown, Ohio is accredited by the Commission on Accreditation for Respiratory Care (www.coarc.com). To view CoARC Program outcomes please visit CoARC Outcomes Data (https://www.coarc.com/Students/Programmatic-Outcome-Data.aspx).

The goals of the Bachelor of Science in Respiratory Care are:

- To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).
- To prepare leaders for the field of respiratory care by including curricular content that includes objectives related to acquisition of skills one or more of the following: management, education, research, and advanced clinical practice (which may include an area of clinical specialization).

Polysomnography Certificate Goal:

To prepare sleep disorder specialists with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of polysomnography practice as performed by sleep disorder specialists (SDS).

COURSE	TITLE	S.H.

Pre-Respiratory Courses
BIOI 1545	Allied Health Anatomy and Physiology & 1545L and Allied Health Anatomy and Physiology Laboratory

& CHEM 1510	Chemistry for the Allied Health Sciences
& CHEM 1510L	Chemistry for the Allied Health Sciences Laboratory
MATC 1501	Medical Terminology
MATH 2623	Quantitative Reasoning

FIRST YEAR REQUIREMENT - STUDENT SUCCESS
YSU 1500	Success Seminar
or SS 1500	Strong Start Success Seminar
or HONR 1500	Intro to Honors

General Education Requirements
ENGL 1500	Writing 1
or ENGL 1549	Writing 1 with Support
ENGL 1551	Writing 2
CMST 1545	Communication Foundations
Mathematics requirement (met with MATH 2623)

Arts and Humanities (6 s.h.)
PHIL 2625

One additional Arts and Humanities course

Bachelor of Science in Respiratory Care in Respiratory Care with Advanced Placement Option to Master of Respiratory Care
Bachelor of Science Respiratory Care (BSRC) Curriculum

Year 1

Fall | S.H. |  
--- | --- |  
BIOL 1545 | Allied Health Anatomy and Physiology | 5  
MATC 1501 | Medical Terminology | 3  

Total Semester Hours | 12-14

Year 2

Fall | S.H. |  
--- | --- |  
RESC 1529 | Respiratory Care Orientation | 2  
MATC 2605 | Introduction to Pharmacology | 3  
RESC 1531 | Respiratory Care Essentials | 2  
RESC 1503 | Respiratory Procedures 1 | 3  
RESC 1520 | Respiratory Care Assessment 1 | 2  
PHYS 1506 | Physics for Health Care | 3  
AHLT 3705 | Pharmacotherapeutics | 3  
RESC 2621 | Cardiopulmonary Disease | 4  
RESC 2620 | Respiratory Assessment 2 | 2  
RESC 3706 | Respiratory Procedures 2 | 2  
RESC 3720 | Mechanical Ventilation 1 | 2  
RESC 2699 | Clinical Practice 1 | 1  
AHLT 4806 | Research Methods | 3  
AHLT 5840 | Comparative Health Systems | 3  
RESC 3708 | Respiratory Clinical Specialties | 3  
RESC 3725 | Mechanical Ventilation 2 | 2  
RESC 3709 | Neonatal/Pediatric Respiratory Care | 3  
RESC 3750 | Pulmonary Rehabilitation | 2  
RESC 3740 | Clinical Practice 2 | 3  
RESC 3731 | Respiratory Care Management | 3  
RESC 3741 | Clinical Practice 3 | 3  
RESC 3765 | Advanced Respiratory Care Diagnostics | 3  
RESC 4838 | Respiratory Seminar 1 | 1  
RESC 4831 | Pulmonary Case Management | 3  
RESC 4835 | Clinical Practice 4 | 3  
RESC 4842 | Respiratory Seminar 2 | 1  
AHLT 4820 | Directed Research | 3  
BSRC to MRC Advanced Placement Option |  
RESC 6900 | The Respiratory Care Profession | 3  
RESC 6920 | Technology Applications for Health and Human Services | 3  

*AHLT 5840 Comparative Health Systems must be taken for graduate credit

Total Semester Hours | 16

Year 3

Fall | S.H. |  
--- | --- |  
RESC 3706 | Respiratory Procedures 2 | 3  
RESC 3720 | Mechanical Ventilation 1 | 3  
AHLT 4806 | Research Methods | 3  
Elective Arts and Humanities | 3  

Semester Hours | 12

Spring |  
--- | --- |  
RESC 3706 | Respiratory Procedures 2 | 3  
RESC 3720 | Mechanical Ventilation 1 | 3  
AHLT 4806 | Research Methods | 3  
Elective Arts and Humanities | 3  

Semester Hours | 16

Year 4

Fall | S.H. |  
--- | --- |  
RESC 3765 | Advanced Respiratory Care Diagnostics | 3  

Semester Hours | 6

Bachelor of Science in Respiratory Care (BSRC) Curriculum with Advanced Placement Option to Master of Respiratory Care

MATC 1501 | Medical Terminology | 3  
BIOL 1545 | Allied Health Anatomy and Physiology | 5  

Total Semester Hours | 122-124
Bachelor of Science in Respiratory Care in Respiratory Care with Advanced Placement Option to Master of Respiratory Care

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<th>Credits</th>
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<tr>
<td>RESC 3741</td>
<td>Clinical Practice 3</td>
<td>3</td>
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<tr>
<td>RESC 4831</td>
<td>Pulmonary Case Management</td>
<td>3</td>
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<td>RESC 4838</td>
<td>Respiratory Seminar 1</td>
<td>1</td>
</tr>
<tr>
<td>AHLT 4813</td>
<td>Adult Cardiac and Pediatric Advanced Life Support</td>
<td>3</td>
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<tr>
<td>AHLT 5840</td>
<td>Comparative Health Systems ((Must be taken for graduate credit))</td>
<td>3</td>
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<td><strong>Semester Hours</strong></td>
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**Spring**

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<td>RESC 4842</td>
<td>Respiratory Seminar 2</td>
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<td>AHLT 4820</td>
<td>Directed Research</td>
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<td>Social &amp; Personal Awareness Elective</td>
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<tr>
<td>RESC 6900</td>
<td>The Respiratory Care Profession</td>
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<td>RESC 6920</td>
<td>Technology Applications for Health and Human Services</td>
<td>3</td>
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<td></td>
<td><strong>Semester Hours</strong></td>
<td><strong>16</strong></td>
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</tbody>
</table>

**Total Semester Hours** 130-131

**Learning Outcomes**

The student learning outcomes for the major in Respiratory Care are as follows:

- Upon completion of the program, graduates will demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their roles as advanced-level respiratory therapists (cognitive domain).
- Upon completion of the program, graduates will demonstrate technical proficiency in all the skills necessary to fulfill their role as advanced level respiratory therapists (psychomotor domain).
- Upon completion of the program, graduates will demonstrate professional behavior consistent with employer expectations as advanced-level respiratory therapists (affective domain).

The student learning outcomes for the Sleep Diagnostic Option in Respiratory Care are as follows:

- Upon completion of the program, graduates will demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their roles as sleep disorder specialists (cognitive domain).
- Upon completion of the program, graduates will demonstrate technical proficiency in all the skills necessary to fulfill their role as sleep disorder specialists (psychomotor domain).
- Upon completion of the program, graduates will demonstrate professional behavior consistent with employer expectations as sleep disorder specialists (affective domain).