

## Degree Map

### A.S. in Health Sciences – Respiratory Care Concentration

Catalog Year 2025-26

Respiratory Care is one of five concentrations available for students pursuing the A.S. in Health Sciences. The program prepares students for transfer to colleges offering B.S. programs in respiratory care.

Respiratory care professionals are health care practitioners that care for patients with breathing difficulties due to respiratory and cardiovascular problems. Respiratory therapists may treat newborns to the elderly, and they have diverse career opportunities, from education, management and therapy. Further information, including job availability in the New York area and salaries, is available through [this page in Career Coach](#).

Queensborough Community College (QCC) has partnered with [Molloy University](#) to provide students with a pathway that starts with an [A.S. in Health Sciences](#) at QCC and leads to a [B.S. in Respiratory Care](#). Additional regional schools that offer a B.S. in Respiratory Care include [LIU Brooklyn](#) and [SUNY Stony Brook](#). Students are strongly recommended to choose their A.S. major elective courses according to the requirements of the program to which they plan to apply. A table detailing the recommended electives for the B.S.-level transfer program is included below.

The number of credits you take each year will determine when you graduate. To graduate on time, you are strongly encouraged to enroll in at least 30 credits toward your degree during each academic year, including fall and spring semesters and winter and summer sessions. This degree map is designed for students who place into **developmental English and math**. An additional degree map is available for students who place into ENGL-101 and MA-119. Please see the [degree website](#) or your advisor for more information.

Courses in **Bold Text** are prerequisites for later courses and should be taken where indicated in the sequence.

#### Semester #1

| Courses  | Credits            | Prerequisites or Corequisites <sup>1</sup>   |
|--|--------------------|--|
| <b>ENGL-101 English Composition I</b><br>(Required Core 1A - English Composition)            | 3                  | Pre/corequisite: Must satisfy developmental requirement in English or be co-enrolled in BE-102 |
| <b>ENGL-99 Developing Competence in College Reading, Writing, &amp; Study Skills</b>         | 0 (4 eq.)          | Corequisite: ENGL-101  |
| <b>MA-119 College Algebra</b><br>(Required Core 1B: Mathematical and Quantitative Reasoning) | 3                  | Pre/corequisite: Must satisfy developmental requirement in math or be co-enrolled in MA-10 ALP |
| <b>MA-10 ALP Elementary Algebra</b>  | 0 (2 eq.)          | Corequisite: MA-119  |
| <b>BI-150 Organization and Delivery of Health Care</b>                                       | 2                  | None   |
| <b>Total credits for semester</b>  | <b>8 + (6 eq.)</b> |  |

## Semester #2

| Courses  | Credits   | Prerequisites or Corequisites <sup>1</sup>              |
|--|-----------|---|
| ENGL-102 English Composition II (Required Core 1A: English Composition)                | 3         | ENGL-101 or placement                                   |
| <b>MA-336 Statistics</b> - If taken in semester #1, select major elective from below   | 3         | MA-119 (C or better)                                    |
| <b>BI-302 Anatomy and Physiology II</b> <sup>2</sup> (Additional Flexible Core Course) | 4         | BI-301  |
| <b>PSYC-101 Psychology</b> <sup>2</sup> (Flexible Core 2E)                             | 3         | Complete developmental English or co-enroll in ENGL-101 |
| <b>Major Elective Courses</b> <sup>4</sup> - choose from table below                   | 3         | See table below   |
| <b>Total credits for semester</b>  | <b>16</b> |   |

## Summer Session

| Courses   | Credits  | Prerequisites and Corequisites <sup>1</sup>                 |
|---|----------|---|
| <b>BI-302 Anatomy and Physiology II</b> <sup>3</sup><br>(Additional Flexible Core Course) | 4        | Prerequisite: BI-301  |
| One course from Flexible Core 2A, 2B, or 2C <sup>5</sup>                                  | 3        | Check individual courses for prerequisites and corequisites |
| <b>Total credits for semester</b>   | <b>7</b> |   |

## Semester #3

| Courses  | Credits   | Prerequisites or Corequisites <sup>1</sup>                  |
|--|-----------|---|
| <b>Major Elective Courses</b> <sup>4</sup> – Choose from table below | 6         | See table below   |
| PHIL-140 Medical Ethics <sup>3</sup> (Flexible Core 2D)              | 3         | Complete developmental English or co-enroll in ENGL-101     |
| One course from Flexible Core 2A, 2B or 2C <sup>5</sup>              | 3         | Check individual courses for prerequisites and corequisites |
| One course from Flexible Core 2A, 2B or 2C <sup>45</sup>             | 3         | Check individual courses for prerequisites and corequisites |
| <b>Total credits for semester</b>                                    | <b>15</b> |   |

## Semester #4

| Courses  | Credits   | Prerequisites or Corequisites <sup>1</sup>                  |
|--|-----------|---|
| <b>Major Elective Courses</b> <sup>4</sup> – Choose from table below to total 20 credits | 11        | See table below   |
| Free Electives to total 60 credits   | 3         | Check individual courses for prerequisites and corequisites |
| <b>Total credits for semester</b>  | <b>14</b> |   |
| <b>Total credits required for A.S in Health Sciences</b>                                 | <b>60</b> |   |

**Notes:**

1. Prerequisites for a course must be passed before taking the course. Corequisites must be passed before taking the course or taken in the same term as the course.
2. MA-121 is required for students who choose to take PH-301 or CH-151 as a major elective.
3. Certain required courses also fulfill core requirements (1B, 1C, 2D, 2E, and one additional Flexible Core course). If students do not take those courses to satisfy the specified areas of the common core, they will still have to complete those courses (as additional credits) to fulfill degree requirements.
4. Students should consult with an advisor or health science faculty member to choose major elective courses. See the list of major elective courses for the General Health Sciences concentration below.
5. Students must complete one course from each of the flexible core categories (2A, 2B, 2C, 2D, and 2E) and one additional course from any one of the categories. PHIL-140 will fulfill 2D. PSYC-101 will fulfill 2E. BI-302 will fulfill one additional Flexible Core course.

All students must complete two (2) WI designated classes to fulfill degree requirements.

**Respiratory Care Concentration Electives – Complete 20 credits from the following list as indicated:**

| Courses  | Credits | Prerequisites or Corequisites                                  |
|--|---------|--|
| BI-201 General Biology   | 4       | Complete developmental requirements in English                 |
| BI-202 General Biology II  | 4       | BI-201   |
| BI-311 Microbiology  | 4       | BI-202 or BI-302   |
| BI-550 Field Internship in Health Sciences                           | 2       | Departmental Permission  |
| BI-551 Field Internship in Health Sciences                           | 2       | Departmental Permission  |
| CH-127 Introductory General Chemistry or CH-151 General Chemistry I  | 4.5     | For CH-151: MA-119 and MA-121 or placement in MA-440 or higher |
| CH-128 Introductory Organic Chemistry or CH-152 General Chemistry II | 4.5     | CH-120 or CH-127 or CH-151                                     |
| HE-110 Cardiopulmonary Resuscitation                                 | 1       | None   |
| MA-121 Elementary Trigonometry                                       | 1       | Corequisite: MA-119  |
| PH-101 Principles of Physics or PH-301 College Physics I             | 4       | For PH-301: MA-119 and MA-121 or MA-114                        |
| PSYC-220 Human Growth & Development                                  | 3       | PSYC-101   |

**Requirements for New York City area Respiratory Care programs offering admission to QCC college graduates.**

| Requirement  | Molloy University <sup>1</sup> | SUNY Stony Brook <sup>2</sup> |
|--|--------------------------------|-------------------------------|
| Degree(s) earned   | B.S. in Respiratory Therapy    | B.S. in Respiratory Care      |
| Program website  | <a href="#">Click Here</a>     | <a href="#">Click Here</a>    |
| Credits required after transfer                                  | 68                             | 60                            |
| Minimum GPA for admission to B.S.                                | 2.5                            | 2.5                           |
| <i>Required QCC major electives for admission to the program</i> |                                |                               |
| BI-201 General Biology   | +                              | X                             |
| BI-202 General Biology II  | +                              | X                             |
| BI-311 Microbiology  | X                              | +                             |
| BI-550 Field Internship in Health Sciences                       | +                              | -                             |
| BI-551 Field Internship in Health Sciences                       | +                              | +                             |
| CH-127 Introductory General Chemistry                            | X                              | X                             |
| CH-128 Organic Chemistry   | X                              | X                             |
| CH-151 General Chemistry I                                       | +                              | +                             |
| MA-121 Elementary Trigonometry                                   | X                              | -                             |
| PH-101 Principles of Physics                                     | +                              | X                             |
| PH-301 College Physics I   | X                              | +                             |
| PSYC-220 Human Growth & Development                              | X                              | X                             |

**Legend:** X recommended for admission    + part of a list of possible elective choices    – not recommended

**Notes:**

1. **Molloy University:** This represents an existing articulation agreement between QCC and Molly. To receive credit at Molloy University for the following courses, the student must receive a grade of C+ or higher in each course: BI-301, BI-302, BI-311, CH-128, PH-101, MA-119, PSYC-101, and PHIL-140.
2. **SUNY Stony Brook:** Prerequisites include 3 credits each of English Composition, Arts, Humanities, and Social Sciences (one lower level and one upper level course). Additionally required are one year of A&P, Chemistry with lab, Physics with lab, and Statistics. Minimum science GPA of 2.0. All prerequisite courses must be completed with a grade of C or better. The program also requires students to be certified in Basic Life Support (BLS) offered by the American Heart Association (valid certification card required) prior to starting clinical rotations.