

University of Indianapolis – Shaheen College of Arts & Sciences

2025-2026 Curriculum Guide for the Respiratory Therapy (RESP)

Bachelor of Arts or Bachelor of Science

Specific Mathematics and Science courses required for admission to Respiratory Therapy Program

Math/Science courses require “C” or better at time of application and minimum of 10 hours completed

- **BIOL 103** Principles of Human Anatomy (4) prereq: MATH competency
- **CHEM 104** Intro to General Organic and Biological Chemistry (5) prereq: MATH competency
- **BIOL 104** Principles of Human Physiology (4) prereq: MATH competency
- **PSY 120** Introduction to Psychology (3)
- **PSY 245** Lifespan Psychology (3)
- **MATH 180** College Algebra and Trigonometry (4) *prereq: MATH 105 (C- or better)*
- **BIOL 209** Microbiology (SSI and SSII) (4) *prereq: BIOL 103/104 or BIOL 165*
- **PHYS 150** General Physics I and Lab (4) *prereq: MATH 180*
- **MATH ELEC** Statistics electives: **MATH 220 or MATH 245** (4) *prereq: MATH 180*

General Education Core (Natural Science and Mathematics fulfilled by above courses):**First-Year Learning Goals**

- **FYS XXX** First-Year Seminar (should fulfill one of the following distribution areas: Literature, History, Social Science, Religion, Arts, Global Awareness & Experiencing Cultural Differences)
- **INTD 101** New Student Experience (1)

Specific courses for the major that fulfill Gen Ed distribution or competency areas

- **ENGL 101** Intro to College Writing (3) *fulfills Critical Thinking - English*
- **PHIL 201** Ethics (3) *fulfills Philosophy & Ethics*
- **KINS 101** Wellness/Fitness for a Lifetime (1) *fulfills Wellness*
- **COMM 100/200** Public Speaking (3) or Business and Professional Comm. (3) *fulfills Communication*
- **ENGL 220** Adv Composition: Expository Writing (3) **or ENGL 280** Intro to Professional Writing (3)

Elective courses that fulfill the Gen Ed core; any time in the first two years; some may be fulfilled by FYS

- **XXX ELEC** Foreign Language core requirement (4+4) / 2 courses
- **XXX ELEC** Literature core elective (3)
- **HIST ELEC** History core elective (3)
- **XXX ELEC** Social Science core elective (3)
- **REL ELEC** Religion core elective (3)
- **XXX ELEC** Global Awareness and Experiencing Cultural Differences
- Recommended: FYS 182, EDUC 290, REL 270, or REL 275 (3)
- **XXX ELEC** Arts core elective

IMPORTANT NOTES:

- To complete this degree in four years, the above courses must be completed in two years. In most cases, summer courses are necessary.
- Minimum overall grade point (all college courses) of 2.5 required for admission to the professional phase. Space is limited and admission is competitive based on grade point and personal interview conducted by the Indiana Respiratory Therapy Education Consortium.
- Deadline for application to the professional phase of the program is January 10 of each year; admission applications are available on HANDSHAKE. Qualified applicants will be contacted for the interview process. Established Indiana residents are given preference. Comprehension and fluency in spoken English is required and will be evaluated at the interview.

- Following conditional admission, all academic requirements must be maintained and completed by August 1. Upon admission, the academic program continues at IU Health (Methodist Hospital) in Indianapolis.

Course sequence at IU Health (Methodist Hospital)

Junior Year

Semester I

- **RESP 303** Introduction to Human Disease (2)
- **RESP 311** Cardiorespiratory Physiology (3)
- **RESP 315** Cardiorespiratory Assessment and Patient Care (3)
- **RESP 325** General Respiratory Care (4)
- **RESP 326** Respiratory Techniques I (2)
- **RESP 333** Cardiorespiratory Pharmacology I (2)

Semester II

- **RESP 350** Cardiorespiratory Diseases (3)
- **RESP 355** Life Support (3)
- **RESP 356** Respiratory Techniques II (2)
- **RESP 385** Respiratory Care Practicum I (3)
- **RESP 405** Neonatal-Pediatric Respiratory Care (3)
- **RESP 444** Cardiorespiratory Pharmacology II (2)

Summer Session

- **RESP 395** Respiratory Care Practicum II (4)
- **RESP 399** Independent Study in Allied Health (optional) (arranged)

Senior Year

Semester I

- **RESP 371** Pulmonary Diagnostics (3)
- **RESP 420** Introduction to Research in Respiratory Care (2)
- **RESP 451** Cardiorespiratory Monitoring and Special Techniques (3)
- **RESP 456** Respiratory Care Practicum III (6)
- **RESP 461** Pulmonary Rehabilitation and Geriatrics (3)

Semester II

- **RESP 430** Management and Leadership for Respiratory Care (3)
- **RESP 440** Advanced Cardiac Life Support (2)
- **RESP 445** Seminar in Cardiorespiratory Care (3)
- **RESP 480** Patient Education Techniques (3)
- **RESP 485** Respiratory Care Practicum IV (6)

The degree is awarded upon completion of the academic program. Ability to practice Respiratory Therapy is contingent upon successful certification and licensure.

A student may complete more than one major as long as each major has at least 24 discrete hours. Please see the Academic Catalog for additional details.

REMEMBER: Questions about the Respiratory Therapy Major and its requirements contact the Chair of the Biology Department (317-788-2400) or your academic advisor. Questions about a career and certification in Respiratory Therapy contact Chris Porter (IRTEC@iuhealth.org), Program Director of the Indiana Respiratory Therapy Education Consortium.