

Respiratory Care Major

Major Requirements

Degree Type: B.S.
Minimum Credits Required: 120

University Degree Requirements

For complete details on these and other university degree requirements, refer to the Degree and Graduation Requirements (<https://catalog.ndsu.edu/academic-policies/undergraduate-policies/degree-and-graduation/>) section in the University Catalog.

1. Minimum of 120 semester credits (some programs may exceed this minimum).
2. Complete the University General Education requirements.
3. Minimum institutional GPA of 2.00 based on work taken at NDSU.
4. Minimum of 30 credits in residence at NDSU.
5. Minimum of 36 upper level credits (courses numbered 300 or higher).
6. Students with transfer credit must meet the NDSU 30 credits in residence (#4). Of these 30 credits in residence, a minimum of 15 credits must be in courses numbered 300 or above, and 15 credits must be in the student's declared major curricula.

University General Education Requirements

A list of university approved general education courses along with the administrative policies governing the requirement and the categories is available here (<https://catalog.ndsu.edu/academic-policies/undergraduate-policies/general-education/>).

Code	Title	Credits
Category C: Communication		12
Category R: Quantitative Reasoning		3
Category S: Science and Technology		10
Category A: Humanities and Fine Arts		6
Category B: Social and Behavioral Sciences		6
Category W: Wellness		2
Category D: Cultural Diversity		
Category G: Global Perspectives		
Category L: Digital Literacy		
Total Credits		39

Major Requirements

Code	Title	Credits
Respiratory Care Major Requirements		
ASCI 190	Critical Thinking, Academic, and Professional Skills for the Health Professions	3
RC 200	Introduction to Respiratory Care	1
RC 496		51
RC 494		4
Advanced clinicals including the capstone experience.		
BIOC 260 or BIOC 460	Elements of Biochemistry * Foundations of Biochemistry and Molecular Biology I	3 or 4
BIOL 220 & 220L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory *	4
BIOL 221 & 221L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory *	4
ASCI 125	Medical Terminology for Health Professionals	1
PHRM 170	Common Diseases, Prevention, and Treatment	2
CSCI 114 or TL 116	Computer Applications Business Software Applications	3
MATH 103	College Algebra *	3

PHYS 120	Fundamentals of Physics *	3
PSYC 111	Introduction to Psychology	3
STAT 330	Introductory Statistics	3
Chemistry Sequence: Select one sequence depending on future educational goals from the following:		4 or 8
CHEM 117 & 117L	Chemical Concepts and Applications and Chem Concepts and Applications Lab *	
CHEM 121 & 121L & CHEM 122 & CHEM 122L	General Chemistry I and General Chemistry I Laboratory and General Chemistry II and General Chemistry II Laboratory *	
Microbiology Sequence: Select one microbiology course & lab from the following:		3-5
MICR 202 & 202L	Introductory Microbiology and Introductory Microbiology Lab *	
MICR 350 & 350L	General Microbiology and General Microbiology Lab *	
Major Electives: Select one from the following:		3
ANTH 332	Medical Anthropology	
SOC 417	Sociology of the Family	
SOC 440	Sociology of Aging	
SOC 441	Death and Dying	
Communication: Select one of the following:		3
COMM 308	Business and Professional Speaking	
COMM 315	Small Group Communication	
COMM 380	Health Communication I	
COMM 383	Organizational Communication I	
CHP 400	Interprofessional Health Care Practice	
Total Credits		101-108

* These core courses have a maximum of two attempts allowed.

Degree Requirements and Notes

- All required courses must be completed with a grade of 'C' or above. All students must maintain a semester GPA of 2.0 or above for each semester in the College. A student who fails to meet this standard for two successive or three non-successive semesters may be terminated from enrollment in the College.
- Completion of the prerequisites does not guarantee a placement in the major program. Selection of hospital placements is selective. Please consult your Respiratory Care advisor for more information.