



General Science A.S. Degree - pre-respiratory care

FULL TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2024-25

GE Pattern: local AA/AS

Total Units: 61

First Year

Semester 1

15.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE	STAT 300 / 480 ^H	Introduction to Probability and Statistics	4	IIb MC
RE	CHEM 305 ¹	Introduction to Chemistry	5	IV
RC	GENSCI 90	Science Skills and Strategies I	0.5	
GE		any Area IIIa (Physical Education) course	1	IIIa
GE		any Area IIIb (Life Development Skills) course	2	IIIb
Elec		any elective course numbered 100-499	3	

¹ CHEM 305 is a prerequisite to BIOL 430.

Semester 2

14.5 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	BIOL 430	Anatomy and Physiology	5	
RC	GENSCI 91	Science Skills and Strategies II	0.5	
GE	ENGWR 300 / 480 ^H	College Composition	3	IIa WC
GE	ANTH 310 / 481 ^H	Cultural Anthropology	3	Vb, VI
Elec		any elective course numbered 100-499	3	

Second Year

Semester 3

15 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	BIOL 431	Anatomy and Physiology	5	
GE		any Area I (Humanities) course	3	I
GE		any Area Va (American Institutions) course	3	Va
Elec		any elective course numbered 100-499	3	
Elec		any elective course numbered 100-499	1	

Semester 4

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
RE	BIOL 440	General Microbiology	4	
Elec	AH 311	Medical Language for Health-Care Providers	3	

TRANSFER PATH

Potential Transfer Majors:

The courses in this roadmap prepare students to apply for the Respiratory Care program at ARC.

Advising Notes:

- Students can substitute ESLW 340 for ENGWR 300/480.
- Students are advised to take only one lab science class per semester, to maximize their likelihood of success.
- Students are advised to not take a lab science class over the summer, to maximize their likelihood of success.
- GENSCI 90 and 91 are not degree applicable, but they help students maximize the likelihood of success. Their units do not count toward the 60 units needed for this degree.

Other Notes:

- The Respiratory Care program currently accepts students once per year for the spring semester, which begins in January. The deadline to submit an application is the second Friday in October.
- To apply to the Respiratory Care program at ARC, students must have a cumulative college GPA of 2.0 and a cumulative GPA of 2.5 in the following prerequisite courses, passing each course with a "C" or better: AH 311, BIOL 430, BIOL 431, BIOL 440 or 442.
- It is highly recommended that students complete all of their general education coursework prior

CAT.	COURSE	TITLE	UNIT	GE AREA
Elec		any elective course numbered 100-499	3	
Elec		any elective course numbered 100-499	3	
Elec		any elective course numbered 100-499	3	

^H honors courses

to enrolling in the Respiratory Care program.

EXPLANATION OF CATEGORIES		
GE	General Education	A course that fulfills a specific general education requirement for a degree, which can be replaced with another course that meets the same requirement
RE	Restricted Elective	A course selected from a list of elective courses specified for this program in the course list in the catalog, which can be replaced with another course from the same list
RC	Recommended Course	A course that is not part of this program but is included in its roadmap
Elec	Degree Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree

Graduation Requirement

A course that fulfills a specific graduation requirement which can be replaced by another course that meets the same graduation requirement.

- MC = Math Competency
- WC = Writing Competency