

# Pre-Medical Studies Post-Baccalaureate (Certificate)

## Degree Type

Certificate

This intensive program of study is for highly-motivated individuals enrolled in SPCE (School of Professional and Continuing Education) who are interested in pursuing a career in medicine including DO/MD, physician assistant, or veterinarian. Your course of study will be individualized to meet your career goals. Students who have completed some of the required courses may enroll in upper-division courses in consultation with the program coordinator.

## Criteria for admission:

- BS or BA from an accredited college or university
- Undergraduate cumulative GPA of 3.000 or higher
- Statement of goals
- Two letters of recommendation
- Interview with the program director

## Notes:

Suggested program of study (course plan) depends on individual career goals and previous undergraduate or graduate course work.

- Some MD/DO schools may also require Calculus and Biochemistry.
- Medical schools usually expect prerequisite courses to have been completed no more than five years prior to application.
- Some physician assistant programs may require courses in statistics, genetics and additional chemistry coursework.
- Please note this is not an MCAT preparation program.
- Certificate courses are offered during the day (fall and spring terms) in Albany and Troy.

## Core Requirements

- Complete *all* of the following:

Item #	Title	Credits
BIO 101	General Biology I	4
BIO 101L	General Biology I - Lab	0
BIO 102	General Biology II	4
BIO 102L	General Biology II Lab	0
CHM 111	General Chemistry I	4
CHM 112	General Chemistry II	4

## Tracks

- Complete *one* of the following tracks:

## Pre-Medicine Track

- Complete at least 19 credits from the following:
  - Note: PHY 107/PHY 108 may be used for PHY 101/PHY 102.

Item #	Title	Credits
BIO 401	Research Project	3
BIO 427	Internship in Biology	3
CHM 201	Organic Chemistry I	4
CHM 202	Organic Chemistry II	4
CHM 303	Biochemistry II	3
MAT 201	Calculus I	4
PHY 101	General Physics I	3
PHY 102	General Physics II	3
PSY 101	Introduction to Psychology	3
SOC 101	Introduction to Sociology	3
SOC 350	Research for the Professions	3

## Pre-Physician Assistant/Health Science Track

- Complete at least 20 credits from the following:

Item #	Title	Credits
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
BIO 207	Fundamentals of Genetics	3
BIO 208	Microbiology	4
BIO 220	Cell Biology	4
CHM 201	Organic Chemistry I	4
MAT 220	Applied Statistics	4
	PSY Elective	3

## Certificate Completion Notes

- Completion of 35 total credits required for graduation (minimum)
- 1/2 of certificate requirements must be completed at Sage (minimum)
- GPA required for graduation (minimum): 2.200

Total Credits

35-36

### Course Sequencing

## Suggested Program of Study

## Year 1 — Fall

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	MD/DO and PA	8
CHM 111	General Chemistry I	4
BIO 101	General Biology I	4
BIO 101L	General Biology I - Lab	0

## Year 1 — Spring

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	MD/DO and PA	8
CHM 112	General Chemistry II	4
BIO 102	General Biology II	4

## Year 2 — Fall

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	MD/DO	8
PHY 101	General Physics I	3
CHM 201	Organic Chemistry I	4
	PA:	8
BIO 201	Anatomy and Physiology I	4
CHM 201	Organic Chemistry I	4

## Year 2 — Spring

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
	MD/DO	8
PHY 102	General Physics II	3
CHM 202	Organic Chemistry II	4
	MCAT Prep/Application	
	PA:	8
BIO 202	Anatomy and Physiology II	4
BIO 208	Microbiology	4
	GRE Prep/Application	