

## B.S. in Clinical Biology

### Be a Clinical Biology major at Sage and discover...

#### Where you'll go...

The Clinical Biology program at Sage, offered in partnership with the Albany College of Pharmacy (ACP), provides a strong foundation for careers in cytotechnology or in clinical laboratory sciences.

There is a high demand for trained professionals in these fields. That means you could get a job in hospital, biotechnology or research laboratories, or even enter medical school. You might work in a forensic lab for the state police or FBI!

The cytotechnology program at the Albany College of Pharmacy is one of the most well-established and recognized, originating in 1963, and currently supplying 63 percent of the employed cytotechnologists in the upstate area. Sage students will have the opportunity to obtain a strong foundation in the biological sciences on our campus and then complete their clinical studies at ACP.

This program offers students access to numerous local and national practicum placement sites. Sage students work in three different clinical settings during their education, which helps open up more job doorways.

Graduates of this program will be well prepared to sit for licensure exams.

#### What you'll do...

*See yourself...*

- Pursuing a career as a health care technologist, professional or administrator.
- Working in a hospital laboratory or a physician's office.
- Working in an industrial laboratory or a research facility.
- Entering the biotechnology industry or becoming a forensic biologist.
- Continuing your education in a graduate program in medicine or a related field.

#### What you'll earn...

Cytotechnologists can earn from \$39,000 to more than \$114,000 a year.

Clinical laboratory scientists and researchers in biotechnology can earn beginning salaries around \$35,000 a year.

#### At Sage you'll...

Get the education to get a job!

Learn to report lab investigations, think critically and logically about evidence, and solve problems.

Learn by examining real patient materials (human samples), which supports the case-study style learning approach.

Learn how to conduct appropriate tests, develop new testing techniques, troubleshoot problems, manage a lab, and evaluate testing accuracy.

Spend two years at Sage and two years at Albany College of Pharmacy on the Clinical Laboratory Scientist track. Spend 3 years at Sage and 1 year at the Albany College of Pharmacy in the Cytotechnology track.

Gain practical experience in three different lab settings: hospital, commercial, and university or research.

#### How you'll get there...

Here are the requirements you will meet to earn a bachelor's degree in Clinical Biology.

#### B.S. in Clinical Biology

##### Science Core

BIO 101 General Biology I	4
BIO 102 General Biology II	4
CHM 111 General Chemistry I	4
CHM 112 General Chemistry II	4
Organic Chemistry	4
Biochemistry	4
BIO 201 Anatomy & Physiology I	4
BIO 202 Anatomy & Physiology III	4
BIO 208 Microbiology	4
BIO 207 Fundamentals of Genetics	3
BIO 321 Cell & Molecular Biology	4
MAT 112 College Algebra or Precalculus	3
MAT 220 Applied Statistics	3

**LIFE Curriculum Requirements**

COM 104 Oral Communications	3
Humanities	3
HUM 112 Humanities Seminar II	3
Social Science Electives	6
Technology Competency	3
LIFE Interdisciplinary Seminar (Cytotechnology track only)	3

**Cytotechnology Certificate**

PHY 105 Conceptual Physics	3
BIO 351 Immunology	3
BIO 320 Seminar in Biology	3
BIO 359 Exploration in Research Methodology	3
Cytotechnology (ACP)	41

**Clinical Laboratory Sciences Certificate**

Clinical Laboratory Sciences (ACP)	65
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**Total Credits Required for the B.S.\***

<b>Cytotechnology</b>	<b>123</b>
<b>Clinical Laboratory Sciences</b>	<b>132</b>

\*At least 50 percent of the total credits must be in liberal arts and sciences.

**About the Faculty**

The diverse and talented members of the Sage faculty are highly credentialed academicians and dedicated teachers who are also authors, researchers, practitioners, and leaders in their fields. They encourage, challenge, and support Sage students and provide programs of study that connect the classroom to the world beyond campus.

Sage faculty members teach across The Sage Colleges and within four distinct schools: School of Arts and Sciences, School of Education, School of Nursing and Health Sciences, and School of Professional Studies.

For a full list of faculty at Sage, go to [www.sage.edu/academics/faculty.php](http://www.sage.edu/academics/faculty.php)

**Preparing You for the Careers of the Future**

Sage College of Albany readies you for the careers of today and tomorrow. Many colleges can prepare you for traditional jobs in traditional fields (we can, too) but SCA also prepares its students for new and emerging professions.

For example, the fastest growing industries worldwide are biotechnology, pharmaceuticals, health care management and biological sales. Sage College of Albany can prepare you for careers that are on the horizon.

Beginning professional studies early in your course of study gives opportunities for internships as early as the second year. This allows you to pursue multiple areas of interest, change directions easily if needed, and develop the interdisciplinary competencies important in today's workplace.

**Learning by Interning**

No one completes Sage College of Albany without significant experience in their field of interest. Internships are the norm at Sage, not the exception. This practice ensures students really can do what they have learned in the classroom. All areas of study allow you to learn by doing.

**Program Contact:**

Stacie Kutz, Ph.D.  
Assistant Professor, Clinical Biology  
Program Coordinator  
SCI Building 106  
(518) 292-1759  
[kutzs@sage.edu](mailto:kutzs@sage.edu)

**For information regarding admission to Sage College of Albany, contact:**

Office of Admission  
Sage College of Albany  
140 New Scotland Ave.  
Albany, NY 12208  
1-888 VERY SAGE or  
(518) 292-1730

[scaadm@sage.edu](mailto:scaadm@sage.edu)

[www.sage.edu/sca/admission](http://www.sage.edu/sca/admission)