

LIFE SCIENCE CERTIFICATE

The Life Science Certificate is designed to introduce students to the science fundamentals. The certificate includes a broad range of eligible biology, chemistry, and math courses as well as the opportunity to choose related electives. This coursework is designed to meet a variety of interests and needs in the field of life science. Students who complete this certificate will have the foundation they need to move on to higher level coursework and/or degree programs. Note that some courses included in the certificate may have pre-requisites and require planning accordingly. Furthermore, for students at The American Women's College, staff would work with you in the course of regular advising meetings to ensure appropriate planning. Students in the traditional program would work with their assigned faculty member or advisor on eligibility and on a course sequence/plan.

Code	Title	Hours
	CLS Biology Electives (p. 1)	8
	CLS Chemistry Elective (p. 1)	4
	CLS Math Elective (p. 1)	3
	CLS Elective (p. 1) ¹	3
Total Credits Required:		18

¹ Other courses may be considered with Program Director approval.

CLS Biology Electives

Code	Title	Hours
BSC 109	Biology I	4
BSC 150	Anatomy and Physiology I	3
BSC 150L	Anatomy and Physiology I Lab	1
BSC 151	Anatomy and Physiology II	3
BSC 210	General Microbiology	3
BSC 210L	General Microbiology Lab	1
BSC 280	Human Genetics and Disease	3
BSC 280L	Human Genetics and Disease Lab	1
BSC 250	Survey of Biochemistry	3

CLS Chemistry Electives

Code	Title	Hours
CHM 150	General Chemistry I	3
CHM 150L	General Chemistry I Lab	1
CHM 152	General Chemistry II	3
CHM 152L	General Chemistry II Lab	1
CHM 230	Principles of Organic Chemistry	3
CHM 230L	Principles of Organic Chemistry Lab	1

CLS Math Electives

Code	Title	Hours
MAT 112	Applied University Mathematics	3
MAT 120	Statistics	3

CLS Electives

Code	Title	Hours
HUM 317	Scientific Research and Ethics	3
PHS 101	University Physics I	3
PSY 209	Growth and Development	3
PSY 216	Psychology of Cultural Diversity	3
SOC 200	Social Problems	3