

CHEMICAL LAB SPECIALIST COLLEGE CREDIT CERTIFICATE

The Chemical Laboratory Specialist Certificate provides students with exposure to chemistry, mathematics, and biological sciences and/or physics necessary for success in a scientific lab setting. The content includes but is not limited to development of chemical and other scientific skills. The program completer will be able to assist chemists, biochemists, and chemical engineers by performing chemical, biological and physical laboratory tests for various purposes such as quality control monitoring of on-going production operations, research and development, and the maintenance of health and safety standards in the laboratory.

Many of the courses contained within this certificate are prerequisites for Allied Health and STEM (science, technology, engineering and mathematics) degree programs.

Academic Advising

- advising@lssc.edu 352-787-3747

Career Development Services

- Careers@lssc.edu 352-323-3603

Code	Title	Hours
Program Core Courses		
ENC 1101	College Composition I	3
SPC 2608	Public Speaking	3
Humanities General Education ¹		
Social & Behavioral Sciences General Education ¹		3
MAC 1105	College Algebra	3
CHM 1025C	Introductory Chemistry w/Lab	4
CHM 2045C	General Chemistry I w/Lab	4
CHM 2046C	General Chemistry II w/Lab	4
Specialty Area		
Select one listed Specialty Area to complete this certificate from the following:		
Specialty: Microbiology		
MCB 2010C	Microbiology w/Lab	4
Elective ²		3
Elective ²		3
Specialty: Anatomy & Physiology		
BSC 2085C	Human Anatomy & Physiology I with Lab	4
BSC 2086C	Human Anatomy & Physiology II with Lab	4
Elective ²		2
Specialty: Biology		
BSC 1010C	General Biology I w/Lab	4
BSC 1011C	General Biology II w/Lab	4
Elective ²		2
Specialty: Physics		
PHY 2048C	Physics I with Calculus w/Lab	5
PHY 2049C	Physics II with Calculus w/Lab	5
Program Electives		
BSC 1010C	General Biology I w/Lab	
BSC 1011C	General Biology II w/Lab	

BSC 2085C	Human Anatomy & Physiology I with Lab
BSC 2086C	Human Anatomy & Physiology II with Lab
CHM 1020	Chemistry in Society
ENC 2210	Technical & Professional Writing
ESC 1000	Earth Science Survey
EVR 1001	Environmental Sustainability
HSC 1531	Medical Terminology
HUN 1201	Nutrition with Diet Therapy
MAT 1033	Intermediate Algebra
MAC 1114	Trigonometry
MAC 1140	Precalculus Algebra
MAC 2311	Calculus with Analytic Geometry I
MCB 2010C	Microbiology w/Lab
OCE 1000	Introduction to Marine Science
PHY 2048C	Physics I with Calculus w/Lab
PHY 2049C	Physics II with Calculus w/Lab
STA 2023	Elementary Statistics I

1 See Choices

2 Choose an elective from the approved Program Elective list.

Credits from this certificate can be applied toward the Chemical Technology A.S. degree. Students may pursue one or more certificates to develop or upgrade their skills in a particular field, or pursue the A.S. degree and earn technical certificates while completing the requirements for the degree.