

# CHEMICAL LAB SPECIALIST COLLEGE CREDIT CERTIFICATE

The Chemical Lab Specialist college credit 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.

The courses in this certificate can be applied to the Scientific Workplace Preparation College Credit Certificate (<https://lssc-public.courseleaf.com/academic-programs/college-credit-certificate-programs/scientific-workplace-preparation-college-credit-certificate/>) and the Associate in Arts degree program (<https://lssc-public.courseleaf.com/academic-programs/associate-arts-program/>).

## Academic Advising

- [advising@lssc.edu](mailto:advising@lssc.edu) 352-787-3747

## Career Development Services

- [Careers@lssc.edu](mailto:Careers@lssc.edu) 352-323-3603

Code	Title	Hours
<b>Program Core Courses</b>		
ENC 1101	College Composition I	3
SPC 2608	Public Speaking	3
Humanities General Education <sup>1</sup>		3
Social & Behavioral Sciences General Education <sup>1</sup>		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
<b>Specialty Area</b>		
Select one listed Specialty Area to complete this certificate from the following:		
<b>Specialty: Microbiology</b>		
MCB 2010C	Microbiology w/Lab	4
Elective <sup>2</sup>		3
Elective <sup>2</sup>		3
<b>Specialty: Anatomy &amp; Physiology</b>		
BSC 2085C	Human Anatomy & Physiology I with Lab	4
BSC 2086C	Human Anatomy & Physiology II with Lab	4
Elective <sup>2</sup>		2
<b>Specialty: Biology</b>		
BSC 1010C	General Biology I w/Lab	4
BSC 1011C	General Biology II w/Lab	4
Elective <sup>2</sup>		2

<b>Specialty: Physics</b>		
PHY 2048C	Physics I with Calculus w/Lab	5
PHY 2049C	Physics II with Calculus w/Lab	5
<b>Program Electives</b>		
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 1001	Introduction to Oceanography	
PHY 2048C	Physics I with Calculus w/Lab	
PHY 2049C	Physics II with Calculus w/Lab	
STA 2023	Elementary Statistics I	

1 See course options. (<https://lssc-public.courseleaf.com/academic-programs/general-education-requirements/>)

2 Choose an elective from the approved Program Elective list.

Credits from this certificate may be applied toward the Associate in Science Chemical Technology degree (not available at LSSC).