



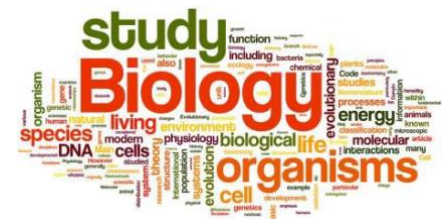
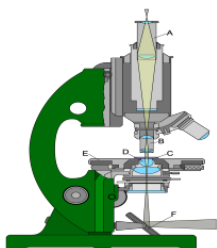
SCIENCE and HEALTH CLASSES BUNDLE with CHEM FALL 2022

13-15 transferable units

"I am interested in understanding the natural world and improving people's health."

Weekly Schedule with Four (4) Classes			
Science and Health with Chem: Option 1			
Monday	Tuesday	Wednesday	Thursday
CHEM-108-9304 9:35 AM – 12:45 PM (in-person lab)			
CHEM-108-9304 12:55 PM – 2:20 PM (lecture)		CHEM-108-9304 12:55 PM – 2:20 PM (lecture)	
MATH 191-9220 2:30 PM – 4:05 PM (9/19/22 start date)	MATH 191-9220 2:30 PM – 4:05 PM (9/19/22 start date)	MATH 191-9220 2:30 PM – 4:05 PM (9/19/22 start date)	MATH 191-9220 2:30 PM – 4:05 PM (9/19/22 start date)
COMM-120-9184 - 100% Online		ENGL-122-9095 - 100% Online	

Science and Health with Chem: Option 2			
Monday	Tuesday	Wednesday	Thursday
	MATH-121-9226 9:35 AM-11:00 AM		MATH-121-9226 9:35 AM-11:00 AM
CHEM-108-9304 9:35 PM – 12:45PM (lab)			
CHEM-108-9304 12:55 PM – 2:20 PM (lecture)		CHEM-108-9304 12:55 PM – 2:20 PM (lecture)	
COMM-120-9184 - 100% Online		ENGL-122-9095 - 100% Online	



Course Descriptions

Course	Description	Meets
MATH-121	Plane Trigonometry (3 units) This course focuses on the theory and applications of trigonometry, including right triangle trigonometry, general angle trigonometry, and trigonometry on the unit circle, as well as trigonometric functions of real numbers. Applications include solutions of right and oblique triangles in problems in surveying, physics, engineering and navigation	CSU
MATH-191	Pre-Calculus (5 units) This course is an in-depth treatment of functions and their graphs, including polynomial, rational, logarithmic, exponential and trigonometric functions. Nonlinear systems, vectors and complex numbers are also covered. Use of a graphing calculator or a computer algebra system is required.	C-ID MATH 155, CSU, UC
MATH-142	Elementary Statistics with Probability (4 units) This course is designed to introduce the student to the study of statistics and probability. Topics include descriptive statistics (organization of data, histograms and measures of central tendency and spread), linear correlation and regression, design of experiments, introductory probability, random variables, the normal distribution and student's t-distribution, and statistical inference, including confidence intervals and tests of significance. Use of a graphing calculator or computer for statistical analysis is required.	C-ID MATH 110, CSU, UC (credit limits may apply to UC - see counselor)
COMM-120	Public Speaking (3 units) In this course, students will prepare and present public speeches using the principles of effective communication. Emphasis is placed on speaking to inform, persuade, and special occasion speeches. Key principles covered include audience analysis, determining speech goals, organization, clarity, language, evidence, visual aids, and delivery.	C-ID COMM-110, CSU, UC
ENGL-122	First-Year College Composition and Reading (3 units) This course focuses on the reading and writing process, including strategies for analyzing college-level readings and composing college-level essays that are coherent, developed, free of serious error, as well as employ various rhetorical strategies and integrate outside sources.	C-ID ENGL 100, CSU, UC (credits may apply to UC and CSU – see counselor)
CHEM 108	Introductory Chemistry (4 units) This course is an introduction to the experimental science of chemistry. Using mathematical word problems and chemical terms, the student will have an overview of inorganic chemistry. This course is appropriate for those that have no high school chemistry experience. This course serves as preparation for General Chemistry (CHEM-120/121) or the first course of a two-semester sequence (with CHEM-109) that satisfies the requirements of allied health programs such as nursing and dental hygiene that require one year of chemistry.	C-ID CHEM 101, CSU, UC (credit limits may apply to UC - see counselor) 54 hours lecture/54 hours laboratory per term
FTVE-282	American Cinema (3 units) This course is a survey of major trends in American Cinema from 1900 to the demise of the studio system in the 1950s. Students will view films from notable artists and movements that have influenced the development of film arts around the world. In addition, students will analyze how social, economic, and historical forces shape film art, the development of global media culture, and how cinema communicates as an art form.	CSU, UC
PSYCH-122	Psychology in Modern Life (3 units) This course examines the psychological, physiological, and cultural factors involved in personality development, and interpersonal relationships. The relevance of psychology to social processes is also examined. This course is designed with an applied focus for students interested in how psychology is used in everyday life and is related to other social sciences. The course surveys different psychological perspectives and theoretical foundations and how these are applied across a person's life taking into account the influence of factors such as culture, gender, ethnicity, historical cohort, and socio-economic status.	C-ID PSY 115, CSU, UC