



MATH and ENGINEERING BUNDLE FALL 2022

13-15 units transferrable

"I am interested in
math, design, or
building."

Weekly Schedule with Four (4) Classes

Option 1: Math and Engineering with MATH-121			
Monday	Tuesday	Wednesday	Thursday
	PHYS-110-9158 8:00 AM-9:25 AM		PHYS-110-9158 8:00 AM-9:25 AM
	MATH-121-9226 9:35AM-11:00AM		MATH-121-9226 9:35AM-11:00AM
CHEM 108-9304 9:35AM-12:45PM (lab) & CHEM-108-9304 12:55PM-2:20PM (lecture)		CHEM-108-9304 12:55PM-2:20PM (lecture)	
ENGL-122-9095 - 100% Online			

Option 2: Math and Engineering with MATH-191			
Monday	Tuesday	Wednesday	Thursday
	PHYS-110-9158 8:00AM-9:25AM		PHYS-110-9158 8:00AM-9:25AM
CHEM 108-9304 9:35AM-12:45PM (lab) & CHEM-108-9304 12:55PM-2:20PM (lecture)		CHEM-108-9304 12:55PM-2:20PM (lecture)	
MATH-191-9220 2:30PM-4:05PM (9/19/22 Start Date)	MATH-191-9220 2:30PM-4:05PM (9/19/22 Start Date)	MATH-191-9220 2:30PM-4:05PM (9/19/22 Start Date)	MATH-191-9220 2:30PM-4:05PM (9/19/22 Start Date)
ENGL-122-9095 - 100% Online			



Course Descriptions

Course	Description	Meets
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
PHYS-110	Elementary Physics (3 units) This course provides an overview of physics. Forces, motion, heat, electricity and magnetism, optics, and modern physics will be discussed. This course emphasizes topics in classical physics.	CSU, UC
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
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