

# PROGRAMS

## CSU GE-B REQUIREMENTS

### AREA B – SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING – 9 semester/12 quarter units

Complete at least one course (minimum 3 units) from the Biological Science area, the Physical Science area and the Mathematics area. Courses from Area B4 must be completed with a "C" (or "P") or better.

#### B1. Physical Science

Code	Class	Units
AST 001	Astronomy (3.0 Lecture)	3.0
AST 003	Astronomy With Lab (3.0 Lecture/1.0 Lab)	4.0
AST 003H	Astronomy With Lab - Honors (3.0 Lecture/1.0 Lab)	4.0
AST 004	Astrobiology - Life in the Universe (3.0 Lecture)	3.0
CHM 001A	General Chemistry (3.0 Lecture/2.0 Lab)	5.0
CHM 001AH	General Chemistry I - Honors (3.0 Lecture/2.0 Lab)	5.0
CHM 001B	General Chemistry (3.0 Lecture/2.0 Lab)	5.0
CHM 001BH	General Chemistry II - Honors (3.0 Lecture/2.0 Lab)	5.0
CHM 002	Introductory Chemistry (3.0 Lecture)	3.0
CHM 002L	Introductory Chemistry Laboratory (1.0 Lab)	1.0
CHM 012A	Organic Chemistry I (3.0 Lecture/2.0 Lab)	5.0
CHM 012AH	Organic Chemistry I - Honors (3.0 Lecture/2.0 Lab)	5.0
CHM 012B	Organic Chemistry II (3.0 Lecture/2.0 Lab)	5.0
CHM 012BH	Organic Chemistry II - Honors (3.0 Lecture/2.0 Lab)	5.0
CHM 030A	Fundamentals of Chemistry (3.0 Lecture/1.0 Lab)	4.0
CHM 060	Survey of General, Organic, and Biological Chemistry (3.0 Lecture/1.0 Lab)	4.0
GEO 001	Introduction to Physical Geography (3.0 Lecture)	3.0
PHY 002A	General Physics - Mechanics and Thermodynamics (4.0 Lecture/1.0 Lab)	5.0
PHY 002B	General Physics - Electricity, Magnetism And Optics (4.0 Lecture/1.0 Lab)	5.0
PHY 004A	Engineering Physics-Mechanics (4.0 Lecture/1.0 Lab)	5.0
PHY 004B	Engineering Physics-Electricity and Magnetism (3.0 Lecture/1.0 Lab)	4.0
PHY 004C	Engineering Physics-Light and Heat (3.0 Lecture/1.0 Lab)	4.0
PHY 004D	Engineering Physics-Atomic (2.0 Lecture)	2.0
PHY 010	Introduction to Physics (3.0 Lecture/1.0 Lab)	4.0

#### B2. Biological Science

Code	Class	Units
ANT 001	Biological Anthropology (3.0 Lecture)	3.0
BIO 001A	General Biology: Cells (3.0 Lecture/2.0 Lab)	5.0
BIO 001AH	General Biology: Cells-Honors (3.0 Lecture/2.0 Lab)	5.0

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Code	Class	Units
BIO 001B	General Biology: Organisms (3.0 Lecture/2.0 Lab)	5.0
BIO 004	Microbiology (3.0 Lecture/2.0 Lab)	5.0
BIO 010	Introduction to Biology (3.0 Lecture)	3.0
BIO 010L	Introduction to Biology Lab (1.0 Lab)	1.0
BIO 011	Human Biology (3.0 Lecture/1.0 Lab)	4.0
BIO 012	Emerging Infectious Diseases (3.0 Lecture)	3.0
BIO 014	Introductory Neuroscience (3.0 Lecture)	3.0
BIO 014H	Introductory Neuroscience - Honors (3.0 Lecture)	3.0
BIO 016	Marine Biology (3.0 Lecture/1.0 Lab)	4.0
BIO 017	Genetics and Society (3.0 Lecture)	3.0
BIO 017H	Genetics and Society - Honors (3.0 Lecture)	3.0
BIO 019	Oceans: Life in the Sea (3.0 Lecture)	3.0
BIO 022	Anatomy & Physiology for Allied Health Workers (3.0 Lecture/1.0 Lab)	4.0
BIO 025	Environmental Biology (3.0 Lecture)	3.0
BIO 030	Tropical Ecology (3.0 Lecture)	3.0
BIO 030L	Tropical Ecology Field Studies (1.0 Lab)	1.0
BIO 032	California Plants and Animals (3.0 Lecture/1.0 Lab)	4.0
BIO 047	Human Anatomy (3.0 Lecture/2.0 Lab)	5.0
BIO 048	Human Physiology (3.0 Lecture/2.0 Lab)	5.0
BIO 048H	Human Physiology - Honors (3.0 Lecture/2.0 Lab)	5.0

### B3. Laboratory Science

One of the courses selected from B1 or B2 must be a laboratory course.

### B4. Mathematics/Quantitative Reasoning

Must be complete with a "C" (or "P") or better.

Code	Class	Units
MAT 000D	Trigonometry (3.0 Lecture)	3.0
MAT 000G	Mathematics for the Liberal Arts Student (4.0 Lecture)	4.0
MAT 001	College Algebra (4.0 Lecture)	4.0
MAT 002	Precalculus and Trigonometry (6.0 Lecture)	6.0
MAT 003A	Analytic Geometry and Calculus I (5.0 Lecture)	5.0
MAT 003AH	Analytic Geometry and Calculus I - Honors (5.0 Lecture)	5.0
MAT 003B	Analytic Geometry and Calculus II (5.0 Lecture)	5.0
MAT 004A	Multivariable Calculus (5.0 Lecture)	5.0
MAT 004B	Differential Equations (4.0 Lecture)	4.0
MAT 004C	Linear Algebra (4.0 Lecture)	4.0
MAT 009	Integrated Statistics II (5.0 Lecture)	5.0
MAT 010	Elementary Statistics (4.0 Lecture)	4.0
MAT 010H	Elementary Statistics - Honors (4.0 Lecture)	4.0

Code	Class	Units
MAT 012	Calculus for Business (4.0 Lecture)	4.0
MAT 019	Discrete Mathematics (4.0 Lecture)	4.0
SOC 016	Introduction to Statistics in Social And Behavioral Sciences (3.0 Lecture)	3.0

**CSU GE-B SUMMARY • AREA A • AREA B • AREA C • AREA D • AREA E • ~~AREA F~~ (Effective Fall 2021)**

*\*Mission College will not be offering courses in Area F during the 2021-2022 academic year. Students should consult with a counselor to discuss this requirement or seek options at other institutions.*

Classes may not be offered every semester. [Search for current classes here.](#)