

Colorado School of Mines

Math and Science Requirements

Dept.	Course #	Credits	Title
CHGN	121	4	Principles of Chemistry I w/lab
CHGN	122	4	Principles of Chemistry II w/lab
CHGN	221	3	Organic Chemistry I
CHGN	223	1	Organic Chemistry I lab
CHGN	222	3	Organic Chemistry II
CHGN	224	1	Organic Chemistry II lab
CHGN	428	3	General Biochemistry
CBEN	110	4	Fundamentals of Biology I w/lab
CBEN	120	4	Fundamentals of Biology II w/lab
BIO	462	3	Microbiology
CBEN	304	3	Anatomy and Physiology I
CBEN	305	1	Anatomy and Physiology I lab
CBEN	306	3	Anatomy and Physiology II (Bone, Muscle, Brain)
CBEN	309	1	Anatomy and Physiology II lab
MATH	111	4	Calculus for Scientists/Engineers I
PHGN	100	4.5	Physics I - Mechanics

Additional Course Requirements

Dept.	Course #	Credits	Title
(WAC)***			English Composition/Writing Intensive coursework within curriculum
EBGN	201	3	Principles of Economics
Social Science (9 semester hours): psychology, sociology, anthropology, history, literature, philosophy or other humanities courses			
General Education (9 semester hours): Other college level courses in science, humanities, social sciences, math, language, business, etc... that are not listed above. Vocational and development courses are not accepted.			

To support the institutional goal of developing professional communication skills required writing and communication-intensive courses are designated in both the core and in the degree-granting programs. According to guidelines approved by the Undergraduate Council, degree-granting programs are to identify four courses, often two junior and two senior-level courses, as writing-intensive. The (generally four) writing-intensive courses within the various degree-granting programs are designated with (WI) in their course descriptions. Course descriptions can be found on the Undergraduate Programs and Departments page, under the Courses tab for each department.

In addition to disciplinary writing experience, students also obtain writing experience outside their disciplines as courses in HASS are virtually all writing intensive. The Campus Writing Program, housed in the Division of Humanities, Arts, and Social Sciences (HASS), supports the WAC program.