

		UNIVERSITY OF COLORADO AT BOULDER											
CO Community College Course Numbers		Aerospace Engineering Sciences*	Applied Mathematics	Architectural Engineering	Chemical & Biological Engineering	Chemical Engineering	Civil Engineering	Computer Science	Electrical & Computer Engineering	Electrical Engineering	Engineering Physics	Environmental Engineering	Mechanical Engineering
MATH													
CALCULUS I	MAT 201-5	x	x	x	x	x	x	x	x	x	x	x	x
CALCULUS II	MAT 202-5	x	x	x	x	x	x	x	x	x	x	x	x
CALCULUS III	MAT 203-4 or 204-5	x	x	x	x	x	x		x	x	x	x	x
LINEAR ALGEBRA**	MAT 255-3	x	x	x	x	x	x	x	x	x	x	x	x
DIFFERENTIAL EQUATIONS**	MAT 261-4 or 265-3	x	x	x	x	x	x		x	x	x	x	x
DIFFERENTIAL EQUATIONS WITH LINEAR ALGEBRA**	MAT 266-4	x	x	x	x	x	x		x	x	x	x	x
SCIENCE													
CALCULUS-BASED PHYSICS I W/ LAB	PHY 211-5	x	x	x	x	x	x	varies depending on track selected by student	x	x	x	x	x
CALCULUS-BASED PHYSICS II W/ LAB	PHY 212-5	x	x	x	x	x	x		x	x	x	x	x
GENERAL COLLEGE CHEMISTRY I W/ LAB	CHE 111-5	x	x	x	x	x	x		choose one	choose one	x	x	x
GENERAL COLLEGE CHEMISTRY II W/LAB	CHE 112-5				x	x	x				x		
GENERAL COLLEGE BIOLOGY I W/ LAB	BIO 111-5				x	x							
GENERAL COLLEGE BIOLOGY II W/ LAB	BIO 112-5				x	x							
ARTS/HUMANITIES AND SOCIAL/BEHAVIORAL SCIENCES													
ELECTIVE #1	See http://engineering.colorado.edu/hss for degree requirements in this area.												
ELECTIVE #2													
ELECTIVE #3													
COMPUTER SCIENCE													
COMPUTER SCIENCE I (language)	CSC 160-4	x	or EGG 130					x	x	x	x		
COMPUTER SCIENCE II (language)	CSC 161-4							x	x		or CAD class for Mechanical Engineering		
INTRO TO ENGINEERING COMPUTING	EGG 130-3	x	or CSC 160	x	x	x	x					x	x
COMMUNICATIONS													
ENGLISH COMPOSITION I	See http://engineering.colorado.edu/hss for degree requirements in this area.												
ENGLISH COMPOSITION II													
PUBLIC SPEAKING													
OTHER													
COMPUTER AIDED DRAFTING / ENGINEERING GRAPHICS	CAD 101 + 102, or CAD 101 + 202, or CAD 201, or EGG 101, or any course with pre-requisite of CAD 101 + 102			x			x						
COMPUTER AIDED DRAFTING / ENGINEERING GRAPHICS	CAD 101, 102, 202, 255, 256, 257, 258, or 259, or EGG 101										or CSC 161		x
INTRODUCTION TO ENGINEERING	EGG 100-1	x		x	x	x	x	x	x	x	x (engineering elective)	x	x
FIRST YEAR ENGINEERING PROJECTS	EGG 140-3	x	x				x		x	x	x (engineering elective)	x	x
MECHANICS OF SOLIDS	EGG 206-3			x			x				x (engineering elective)		x
MECHANICS I - STATICS	EGG 211-3 or EGG 271-3			x			x				x (engineering elective)	x	x
MECHANICS II - DYNAMICS	EGG 212-3 or EGG 272-3						x				x (engineering elective)		x
THERMODYNAMICS	EGG 230-3			x			x				x (engineering elective)	x	x
ENGINEERING SURVEYING I	EGG 260-5			x			x						

NOTES:

* The Aerospace Engineering Sciences major requires C grades or higher for any pre-requisite courses. Generally, other majors require C- grades or higher for pre-requisite courses (there may be exceptions requiring a higher grade).

** All majors (except for Computer Science) may complete MATH 266-4, or MATH 255-3 plus (MATH 261-4 or MATH 265-3), to satisfy the Differential Equations with Linear Algebra requirement in the CU-Boulder College of Engineering & Applied Science.

Degree requirements are dependent upon the time of matriculation into each major.

Table prepared August 2011, and shows Colorado community college courses that may be applied to specific majors for matriculants into CU-Boulder College of Engineering and Applied Science during the 2011-2012 academic year.