

COURSE REQUIREMENTS	CO Community College Course Numbers	UNIVERSITY OF COLORADO AT BOULDER											
		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	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	x
DIFFERENTIAL EQUATIONS WITH LINEAR ALGEBRA**	MAT 266-4	x	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. All other majors require C- grades or higher for pre-requisite courses.

** 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 September 2009 and is accurate for matriculants in the 2009-2010 catalog year.