

GADOMSKI SCHOOL OF ENGINEERING B.S. IN **CIVIL** ENGINEERING

This **sample paradigm** shows a normal 4-year progression towards a degree in civil engineering. Some of the courses should be taken in this order due to prerequisite structures; others may be switched.

FRESHMAN YEAR

Semester I	Credits	Semester II	Credits
CE 110	Intro to Civil Engineering	CE 113	Civil Engineering Analysis
CE 111	Civil Engineering Graphics	ENG 130	Writing & Critical Research
ENG 123	Writing & Critical Literacy	MATH 132	Calculus II
MATH 131	Calculus I	PHYS 150 & 150L	Physics I & Lab
BIOL 105	Environmental Biology	CHEM 115 & 115L	General Chemistry & Lab
CBU 101	Orientation		
_	General Education		
Total		Total	

SOPHOMORE YEAR

Semester I	Credits	Semester II	Credits
CE 225 & 225L	Geomatics & Lab	CE 212	Structural Analysis
CE 201	Statics	CE 251	Construction Materials
CE 210	Mechanics of Materials	CE 299 & 299L	Hydraulics & Lab
MATH 231	Differential Equations	MATH 232	Calculus III
PHYS 251 & 251L	Physics II &Lab	ME 202	Dynamics
Total		Total	

JUNIOR YEAR

Semester I	Credits	Semester II	Credits
CE 310	Design of Steel Structures	CE 310	Design of Reinforced Concrete
CE 313	Fluid Mechanics	CE 310	Environmental Engineering I2
CE 322 & 322L	Soil Mechanics & Lab	CE 310	Highway Engineering
_	CE Major Elective	CE 310	Design of Foundations
_	General Education	MATH 308	Statistics
		-	General Education
Total		Total	

SENIOR YEAR

Semester I	Credits	Semester II	Credits
CE 400	The Compleat Engineer	CE 351	Fundamentals of Engineering Economy
CE 429	Environmental Engineering II	CE 432	Senior Design Project II
CE 431	Senior Design Project I	_	CE Major Elective
CE 489	Fundamentals of CE Exam	_	General Education
_	CE Major Elective	_	Program Option
_	General Education		
_	MATH Elective		
Total		Total	