

CIVIL ENGINEERING: CONSTRUCTION ENGINEERING AND MANAGEMENT

FOUR-YEAR PLAN

FOUR-YEAR PLAN SAMPLE FOUR-YEAR PLAN

First Year

Fall	Credits Spring	Credits
MATH 221	5 MATH 222	4
CHEM 109 ¹	5 CIV ENGR 159	2
INTEREGR 170	3 E M A 201	3
or LIBERAL STUDIES ²	GEOSCI 100 or 106	3
COMMUNICATIONS A	3 LIBERAL STUDIES or ²	3
	INTEREGR 170	
	16	15

Second Year

Fall	Credits Spring	Credits Summer	Credits
MATH 234	4 MATH 319 or 320	3 CIV ENGR 1	1
STAT 324	3 E M A 303 ³	3	
E M A 202 ³	3 E M A/ M E 307 ³	1	
CIV ENGR 320	3 CIV ENGR 310	3	
ZOOLOGY 153, 260, or MICROBIO 101	3 E P D 275	2	
	ECON 101, 102, or 111 ²	4	
	16	16	1

Third Year

Fall	Credits Spring	Credits Summer	Credits
CIV ENGR 370	3 CIV ENGR DESIGN ⁴	3 CIV ENGR 1	1
CIV ENGR 340	3 CIV ENGR/ E M A 395	3	
CIV ENGR/ G L E 330	3 CIV ENGR/ G L E 291	4	
INTEREGR 397	3 CIV ENGR 498	3	
ETHNIC STUDIES ²	3 PHYSICS 202	5	
	15	18	1

Fourth Year

Fall	Credits Spring	Credits
CIV ENGR DESIGN ⁴	3 CIV ENGR 578	4
CIV ENGR 311	3 CIV ENGR 492 ⁵	3
CIV ENGR 491 ⁵	3 BUSINESS ELECTIVE	3
CIV ENGR 494	3 ENVIRONMENT/ STUDIES ELECTIVE ²	3
CONSTRUCTION SYSTEMS ELECTIVE	3 LIBERAL STUDIES ²	3
BUSINESS ELECTIVE	3	
	18	16

Total Credits 132

- ¹ Taking CHEM 103 General Chemistry I/CHEM 104 General Chemistry II instead of CHEM 109 Advanced General Chemistry adds 4 additional credits to degree requirements.
- ² Liberal studies coursework should add up to 16 credits, including economics elective, environmental studies elective, and ethnic studies.
- ³ After completing E M A 201 Statics, students may take E M A 202 Dynamics and then E M A 303 Mechanics of Materials/E M A/M E 307 Mechanics of Materials Lab, or take E M A 303/E M A/M E 307 and then E M A 202.
- ⁴ One design course must be CIV ENGR 445 Steel Structures I or CIV ENGR 447 Concrete Structures I, which must be taken before CIV ENGR 578 Senior Capstone Design. CIV ENGR 445 is offered every Fall; CIV ENGR 447 is offered every Spring.
- ⁵ CIV ENGR 491 Legal Aspects of Engineering is offered every Fall; CIV ENGR 492 Integrated Project Estimating and Scheduling is offered every Spring.