

# 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 <sup>1</sup>	5 CIV ENGR 159	2
INTEREGR 170	3 E M A 201	3
or LIBERAL STUDIES <sup>2</sup>	GEOSCI 100 or 106	3
COMMUNICATIONS A	3 LIBERAL STUDIES or <sup>2</sup>	3
	INTEREGR 170	
	<b>16</b>	<b>15</b>

#### 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 <sup>3</sup>	3	
E M A 202 <sup>3</sup>	3 E M A/ M E 307 <sup>3</sup>	1	
CIV ENGR 320	3 CIV ENGR 310	3	
ZOOLOGY 153, 260, or MICROBIO 101	3 INTEREGR 275 (was EPD 275)	2	
	ECON 101, 102, or 111 <sup>2</sup>	4	
	<b>16</b>	<b>16</b>	<b>1</b>

#### Third Year

Fall	Credits Spring	Credits Summer	Credits
CIV ENGR 370	3 CIV ENGR DESIGN <sup>4</sup>	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 <sup>2</sup>	3 PHYSICS 202	5	
	<b>15</b>	<b>18</b>	<b>1</b>

#### Fourth Year

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

#### 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.