

Name: \_\_\_\_\_

Red ID: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Phone # (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_

## CIVIL ENGINEERING MASTER PLAN

Catalog Year: 2017/2018

### Required Courses

#### Preparation for the Major

CIVE 100	1
CIVE 121	3
CIVE 160 (or STAT 250)	3
CIVE 218	3
CIVE 220	3
CONE 101	3
BIOL 100 or 101	3
CHEM 202 (or CHEM 200)*	4
AE 200 or ME 200*	3
AE 220 or ME 220	3
AE 280	3
MATH 150*	4
MATH 151*	4
MATH 252	4
PHYS 195, 195L*	4
PHYS 196*	3

#### Major: Upper Division

CIVE 301 (or ME 304)	3
CIVE 302	1
CIVE 321	3
CIVE 401	1
CIVE 421	3 (3)
CIVE 444	3 (2)
CIVE 462	3
CIVE 463	1
CIVE 481	3 (1)
CIVE 495	3 (3)
CONE 430	3
AE 340	3
ENVE 355	3

**\*Must be completed with a grade of C or Higher**  
 These courses cannot be taken for credit/no credit (Cr/NC)

Number in ( ) indicates Design Units.
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#### Engineering Science Elective

At least one of the following courses ( **circle choice** ):

EE 204	3
ME 240	3
ME 350	3

#### Changes

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### Professional Electives:

**15 units / 10 Design units:**

Elective course choices must consist of at least one course from at least four of the six areas.

#### Circle Course choices

##### Water

CIVE 445	3 (2)	CIVE 530	3 (2)
CIVE 531	3 (2)	CIVE 545	3 (2) (C or higher: CIVE 220,445)

##### Transportation

CIVE 482	3 (3)	CIVE 580	3 (2)
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##### Environmental

ENVE 363	3	ENVE 554	3 (2) (C or higher: 355,444,340,350)
ENVE 441	3 (2)	ENVE 556	3 (2)
ENVE 442	3 (2)	ENVE 558	3 (2)

##### Structural

CIVE 521	3	CIVE 525	3 (3)
CIVE 523	3 (3)	CIVE 528	3 (3)

##### Geotechnical

CIVE 465	3 (3)
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##### Construction

CONE 401	3 (2)	CONE 480	3 (3)
CONE 479	3 (2)	CONE 520	3 (3)

#### Other (Advanced Topics, Special Study courses, etc.)

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#### Signatures:

Student \_\_\_\_\_

Advisor \_\_\_\_\_

Department Chair \_\_\_\_\_

Approval Date \_\_\_\_\_

## Information

### Required Courses:

You must take each course listed in this area. All course substitutions are subject to the approval of your advisor and the department chair (documentation in the form of a catalog description, course syllabi and transcript will be required). After enrollment in Civil Engineering at SDSU, a CIVE major must take all upper division CCEE courses at SDSU unless prior approval is obtained from the Department Chair. Approval will be granted only in unusual circumstances.

### Elective Courses:

After consultation with your faculty advisor, **circle your course choices**. You and your advisor sign the reverse side of form and return master plan to the CCEE office for Department Chair's signature approval. Changes to your Master Plan can be made by completing a "Request for Adjustment of Academic Requirement" (RAAR) form. Have your advisor initial the form and bring it to the CCEE office for Department Chair's signature approval. The Department office will send form to Evaluations. Special Study and Advanced Engineering Topic courses will be added to the master plan only after enrollment.

### Course Prerequisites:

Prerequisites will be enforced for all Civil, Construction and Environmental Engineering courses numbered 100-599. All courses must have a passing grade (D- or above) in order to be used as a prerequisite for any subsequent course. Courses noted with an asterisk (\*) **require a grade of C or higher** and cannot be taken for credit/no credit (Cr/NC). A copy of your Degree Evaluation or unofficial SDSU transcript is acceptable proof of completion of pre- and co-requisites. If you are enrolled in a co-requisite at another institution, an unofficial transcript from that institution showing enrollment is required.

### Graduation:

To qualify for graduation, a **minimum GPA of 2.0 is required** in overall coursework, SDSU coursework and Major coursework. Major coursework consists of all upper division (300-500 level) courses required for the Major, approved Major electives and any additional upper division "CIV E" courses taken, whether needed for the major or not. This includes F, WU and IC grades.

#### **Minimum number of units required for a Civil Engineering degree:**

<i>Major Preparation</i>	54	
<i>Upper Division</i>	33	(9) <i>Design Units</i>
<i>Professional Electives</i>	15	(10) <i>Design Units</i>
<i>General Education</i>	<u>30</u>	
<b><i>Total for Degree</i></b>	<b>132</b>	