

**CIVIL ENGINEERING PROGRAM**

Effective Fall 2018

Student \_\_\_\_\_ Student ID # \_\_\_\_\_

Advisor \_\_\_\_\_ Office: \_\_\_\_\_

**FIRST SEMESTER – FALL SEMESTER**

Course #	Course Name	Credits	Grade
IGED-110	Found Writ Arts & Hum	3	_____
IGED-111	Found Writ Soc. & Nat Sc.	3	_____
CHEM-111	General Chemistry I Lec	3	_____
CHEM-113	General Chemistry I Lab	1	_____
MATH-151	Calculus I Lec	3	_____
MATH -155	Calculus I Lab	1	_____
CCEN-101	Intro to Engineering	2	_____
<b>Total</b>		<b>16</b>	

**THIRD SEMESTER – FALL SEMESTER**

Course #	Course Name	Credits	Grade
IGED-210	Discov. Expo Writing	3	_____
MATH-254	Differential Equation	3	_____
PHYS-202	University Physics II Lec	3	_____
PHYS -206	University Physics II Lab	1	_____
CVEN-201	Engineering Mechanics I	3	_____
CSCI-135	Scientific Prog. (Lec&Lab)	3	_____
<b>Total</b>		<b>16</b>	

**FIFTH SEMESTER – FALL SEMESTER**

Course #	Course Name	Credits	Grade
IGED-270	Discov. Loc/Glob Cul Div	3	_____
MATH-381	Probability & Statistics	3	_____
CVEN-311	Theory of Structures	3	_____
CVEN-325	Hydrology & Hydr Lec	3	_____
CVEN-327	Hydrology & Hydr Lab	1	_____
CVEN-351	Transportation Engineering	3	_____
<b>Total</b>		<b>16</b>	

**SEVENTH SEMESTER – FALL SEMESTER**

Course #	Course Name	Credits	Grade
MECH-406	Engineering Economics	3	_____
CVEN-331	Geotech Engr Lec	3	_____
CVEN-332	Geotech Engr Lab	1	_____
CVEN-xxx	CE Technical Elective	3	_____
CVEN-481	FE Preparation	1	_____
CVEN-491	Sr. Project in Civil Eng. I*	3	_____
CVEN-480	CE Tech. Elect. (Res/Pract.)	2	_____
<b>Total</b>		<b>16</b>	

**SECOND SEMESTER – SPRING SEMESTER**

Course #	Course Name	Credits	Grade
IGED-130	Found Oral Comm.	3	_____
IGED-140	Found Ethics & Values	3	_____
MATH-152	Calculus II Lec	3	_____
MATH-156	Calculus II Lab	1	_____
PHYS-201	University Physics I Lec	3	_____
PHYS-205	University Physics I Lab	1	_____
CVEN-105	Comp Aid Graphics	3	_____
<b>Total</b>		<b>17</b>	

**FOURTH SEMESTER – SPRING SEMESTER**

Course #	Course Name	Credits	Grade
CVEN-251	Science Elective*(UWQM)	4	_____
CVEN-202	Engineering Mechanics II.	3	_____
CVEN-206	Mechanics of Solids Lec	3	_____
CVEN-207	Mechanics of Solids Lab	1	_____
CVEN 244	C.E. Materials (Lec & Lab)	3	_____
CVEN 241	GIS Fund. & Eng. Appls.	3	_____
<b>Total</b>		<b>17</b>	

**SIXTH SEMESTER – SPRING SEMESTER**

Course #	Course Name	Credits	Grade
IGED-280	Discov Civ/Ser/Team	3	_____
CVEN-308	Appl. Num Analysis	3	_____
CVEN-312	Design of Steel Struc	3	_____
CVEN-453	Traffic Engineering	3	_____
CVEN-442	Water Resources Eng.	3	_____
<b>Total</b>		<b>15</b>	

**EIGHTH SEMESTER – SPRING SEMESTER**

Course #	Course Name	Credits	Grade
CVEN-435	Foundation Design	3	_____
CVEN-xxx	CE Technical Elective	3	_____
CVEN-464	Eng. Ethics & Prof Practice	3	_____
CVEN-xxx	CE Technical Elective	3	_____
CVEN-492	Sr. Project in Civil Eng. II*	3	_____
<b>Total</b>		<b>15</b>	

**GRAND TOTAL CREDITS 128**

Advisor \_\_\_\_\_

Date \_\_\_\_\_

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

Date \_\_\_\_\_

\*Contains intensive writing component

CE Technical Electives (Most Current): CVEN 419, CVEN 446, CVEN-462, CVEN 463, CVEN-475, CVEN-476,

CVEN 490; \* Science Electives- CVEN-251 or ENSC-145&146, BIOLOGY, PHYSICS III, CHEMISTRY II, IGED-260

**A completed copy of this form must accompany each student's Graduation Clearance Form**

### Civil Engineering Courses Pre-Reqs. and Co-Reqs.

Course No	Course Name	Co-Req	Pre- Req.
CCEN-101	<i>Introduction to Engineering</i>	-	
CVEN-105	<i>Computer Aided Graphics</i>		
CVEN-201	<i>Engineering Mechanics-I</i>		PHYS-201
CVEN-202	<i>Engineering Mechanics-II</i>		CVEN-201
CVEN-206	<i>Mechanics of Solids Lec</i>	CVEN-207	CVEN-201
CVEN-207	<i>Mechanics of Solids Lab</i>	CVEN-206	CVEN-201
CVEN-241	<i>GIS Fund &amp; Eng. Appls</i>		
CVEN-244	<i>CE Materials Lec&amp; Lab</i>		
CVEN-308	<i>Applied Num. Anal. for Engineers</i>		MATH-254
CVEN-311	<i>Theory of Structures Lec</i>		CVEN-206/207
CVEN-312	<i>Design of Steel Structures</i>		CVEN-311
CVEN-325	<i>Hydrology and Hydraulics Lec</i>	CVEN-327	MATH-254, CVEN-206/207
CVEN-327	<i>Hydrology and Hydraulics Lab</i>	CVEN-325	
CVEN-331	<i>Principles of Geotechnical Engineering Lec</i>	CVEN-332	CVEN-325/327 CVEN-206/207
CVEN-332	<i>Principles of Geotechnical Engineering Lab</i>	CVEN-331	
CVEN-351	<i>Transportation Engineering</i>		CVEN-206 CVEN-202
MECH-406	<i>Engineering Economics</i>		Sr. Standing
CVEN-419	<i>Design of Concrete Structures</i>		CVEN-312
CVEN-435	<i>Foundation Design</i>		CVEN-331/332
CVEN-442	<i>Water Resources Engineering</i>		CVEN-325/327
CVEN-446	<i>Environmental Eng. &amp; Science</i>		Sr. Standing
CVEN-453	<i>Traffic Engineering</i>		CVEN-351
CVEN-464	<i>Engineering Ethics and Professional Practice</i>		Sr. Standing
CVEN-475	<i>Project Planning and Scheduling</i>		Sr. Standing
CVEN-476	<i>Construction Project Mgmt.</i>		Sr. Standing
CVEN-480	<i>CE Tech El. (Research/Practice)</i>		Sr. Standing
CVEN-491	<i>CE Senior Project – I</i>		CVEN-442 & CVEN-312 or CVEN-453 Sr. Standing
CVEN-492	<i>CE Senior Project -II</i>		CVEN-491 Sr. Standing