

CIVIL ENGINEERING, BACHELOR OF SCIENCE (BS) - ROCK STUDIES

Recommended Rock Studies Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGR 110	Introduction to Engineering	2
ENGL 102	Critical Writing	3
MATH 225	Calculus I	4
PHYS 211	General Physics I with Lab	4
INDS 101	FIRST Seminar	1
{SUBJ 139}	University Seminar	
Hours		14
Spring		
ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 213	General Physics III/ Lab	4
Creative & Aesthetic Inquiry (http://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Hours		16
Second Year		
Fall		
ENGR 130	Engineering Computing Tools	2
MATH 240	Linear Algebra and Differential Equations	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ENGR 210	Statics	3
BIOL 101	General Biology	3
Hours		15
Spring		
ENGR 220	Engineering Materials	3
ENGR 230	Mechanics of Materials	3
ENGR 301	Fluid Mechanics	3
STAT 152	Elementary Statistics I	3
Social Science Inquiry (http://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/) ¹		3
Hours		15
Third Year		
Fall		
CIVL 210	Elementary Survey	3
CIVL 310	Structural Engineering	4
CIVL 320	Transportation Engineering	3
CIVL 330	Environmental Engineering	4
CIVL 340	Geotechnical Engineering	3
Hours		17

Spring

PHIL 123	Ethics (RSP)	3
ENGR xxx	Engineering Elective	3
CIVL 350	Water Resources Engineering	3
CIVL 410	Structural Steel Design	3
CIVL 420	Traffic Engineering	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice (RSP)	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
Hours		18

Fourth Year

Fall		
CIVL 430	Storm Water Management	3
CIVL 4xx	Civil Engineering Elective	3
ENGR 340	Engineering Economics	3
CIVL 4xx	Civil Engineering Elective	3
CIVL 460	Capstone Design I	3
Hours		15
Spring		
RSP		3
CIVL 4xx	Civil Engineering Elective	3
Math/Science Elective		3
Humanities Inquiry (http://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/)		3
CIVL 460	Capstone Design I ¹	3
Hours		15
Total Hours**		125

¹ Recommended: ECON 201 Macroeconomics

* Students are encouraged to take INDS 101 as a Free Elective.

Major Code: 6183

Revised: 12-2019

** This document is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.