

B.S. In Civil Engineering

SPECIALIZATIONS: Environmental Engineering
 Hydrology and Water Resources
 Structural Engineering and Mechanics
 Urban Infrastructure reliability and management

Sample Degree Plan

This is one example of many possible schedules.

Consult a divisional or departmental advisor to customize your degree plan

Typical Plan for Hydrology

(Samples for additional focus areas can be found at <http://ceve.rice.edu/undergrad/>)

FALL				SPRING			
FRESHMAN 16 credits				FRESHMAN 17 credits			
Gen.	MATH 101	Single Variable Calculus I	3	Gen.	MATH 102	Single Variable Calculus II	3
Gen.	PHYS 101	Mechanics with Lab	3	Gen.	PHYS 102	Elect. and Mag. w/ Lab	4
GEN.	CHEM 121	General Chemistry	3	Gen.	CHEM 122	General Chemistry	3
Gen.	CHEM 123	General Chemistry Lab	1	Gen.	CHEM 124	General Chemistry Lab	1
Core	CEVE 101	Fundamentals of CEE	3	D1		Distribution Elective	3
D1	Writing Rec	Writing Seminar-Dist.	3	D2		Distribution Elective	3
SOPHOMORE 18 credits				SOPHOMORE 16 credits			
Gen.	MATH 211	Ordinary Differential Eq.	3	Gen.	MATH 212	Multivariable Calculus	3
Gen.	CAAM 210	Intro. To Eng. Comp	2	Gen.	BIOC 201	Or ESCI 321 or ESCI 340 or EBIO 325	3
Gen.	CAAM 211	Intro. To Eng. Comp lab	1	Core	CEVE 311	Mechanics of Solids	3
Core	CEVE 310	Principals of Enviro. Eng	3	Core	CEVE 312	Strength of Materials Lab	1
Core	CEVE 211	Engineering Mechanics	3	F3	CEVE 304	Structural Analysis	3
F1	CEVE 302	Sustainable Design	3	D1		Distribution Elective	3
D1		Distribution Elective	3				
JUNIOR 16 credits				JUNIOR 18 credits			
Core	CEVE 401	Enviro. Chem & Lab	4	Gen.	STAT 312	Probability and Statistics	3
Core	CEVE 363	Fluid Mechanics	3	Gen.	CAAM 335	Matrix Analysis	3
F2	CEVE 418	Quantitative Hydrogeology	3	F1	CEVE 404	Atmo. Particulate Matter	3
F3	CEVE 427	Matrix Methods in Struct.	3	F2	CEVE 512	Hydrology Design Lab	3
F2	CEVE 412	Hydrology and Watersheds	3	D2		Distribution Elective	3
				D2		Distribution Elective	3
SENIOR 16 credits				SENIOR 16 credits			
Core	CEVE 481	Intro. Senior Design	1	Core	CEVE 480	Senior Design	3
F4	CEVE 479	Eng. Project Management	3	F2	CEVE 518	Contaminant Hydrogeology	3
F4	CEVE 470	Principles of Soil Mech.	3	Rec Elec.	CEVE 406	Environmental Law	3
Rec Elec.	CEVE 434	Contaminate Fate and Trans.	3	Elec		Free Elective	3
Rec Elec.	CEVE 420	Environmental Restoration	3	Elec.		Free Elective	3
D2		Distribution Elective	3	LPAP		LPAP	1