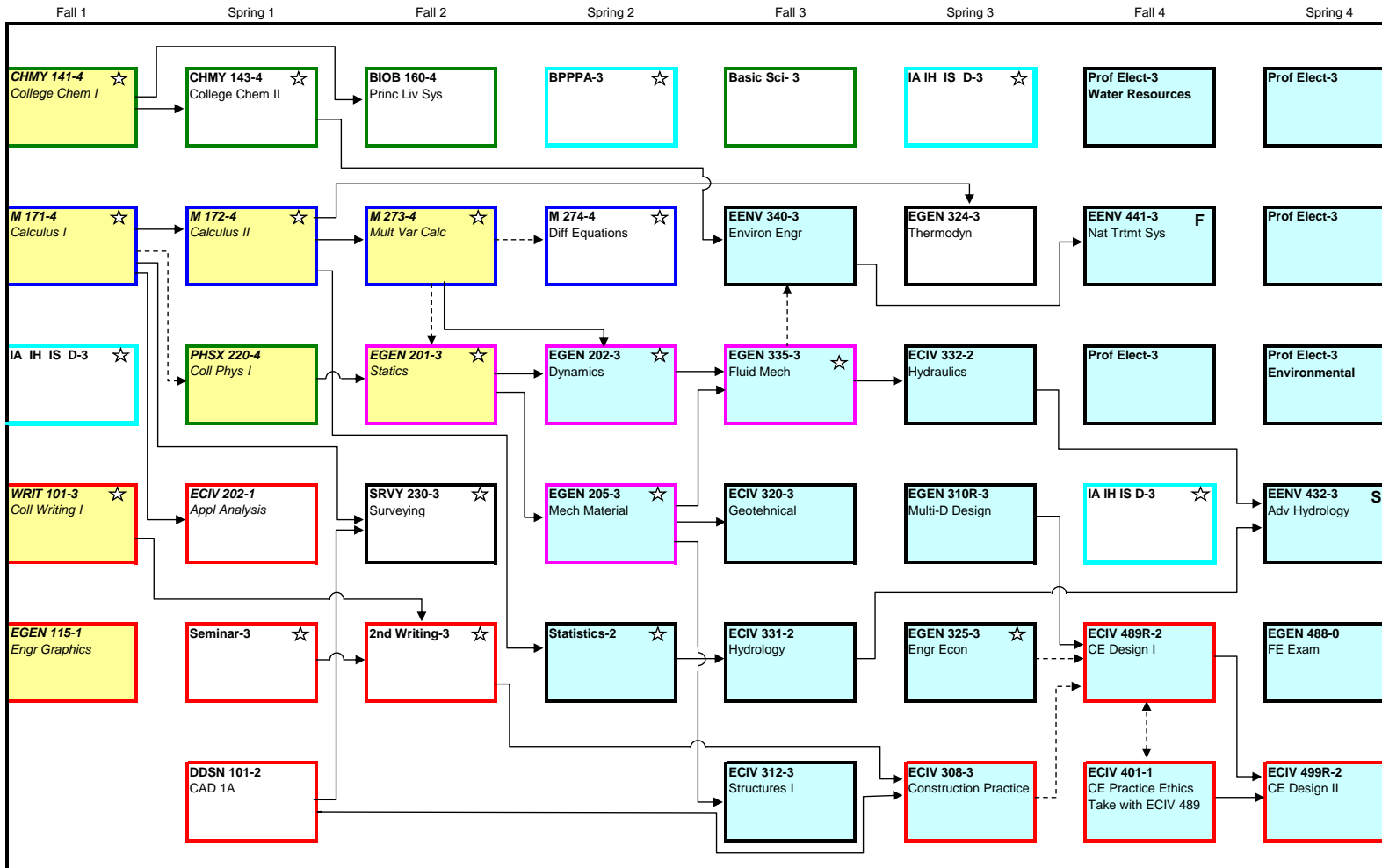


2015 - 2016 Catalog Degree: Civil Engineering Option: Bio-Resources Engineering

Modified: 1/2015



Basic Science Elective:
 BIOB 170 (F,S) Organismal Biology (4)
 ENSC 245 (F) Soils (3)
 ENSC 272 (F) Water Resources (3)
 GPHY 284 (F,S) Intro to GIS Science and Cartography (3)
 NRSM 240 (F) Natural Resources Ecology (3)
 PHSX 222 (F,S) Physics II (4)
 BIOM 360 (F,S) General Microbiology (5)

BPPPA:
 ECNS 101IS (F,S) Economic Way of Thinking
 BGEN 242D (F,S) Intro. to International Business
 PSCI 210IS (F, S, Su) Introduction to American Government
 PSCI 214IS (F) Principles of Political Science
 PSCI 230D (F) Introduction to International Relations

Seminar: US 101, CLS 101, COMX 111, HONR 201
 2nd Writing: BMGT 205, WRIT 201, WRIT 221, HONR 202
 Statistics: EGEN 350-2, STAT 332-3
 ☆ Indicates Summer Offering

Student _____

ID - _____

Prerequisites: → F Fall Only

Coresquisites: - - - - - S Spring Only

BioResources Option Professional Electives (Total of 15 cr-hrs required)

	Rubric	Number	Cr Hrs	Title	Offered	Prerequisite
At least one of these.	}	ECIV 431	3	Open Channel Hydraulics	F	ECIV 332 Hydraulics
		EENV 434	3	Groundwater Supply and Remediation	S	EGEN 335 Fluid Mechanics
		ECIV 435	3	Closed Conduit Hydraulics	S	ECIV 332 Hydraulics
		EGEN 435	3	Fluid Dynamics	S	EGEN 335 Fluid Mechanics
At least one of these.	}	EENV 440	3	Water Chemistry for Environmental Engineers	F	EENV 340 Introduction to Environmental Engineering
		EENV 443	3	Air Pollution Control	F even	EENV 340 Introduction to Environmental Engineering
		EENV 445	3	Hazardous Waste Treatment	F odd	EENV 340 Introduction to Environmental Engineering
		EENV 447	3	Hazardous Waste Management	S	EGEN 335 Fluid Mechanics
		BIOE 370	3	General Ecology	S	BIOB 170 Organismal Biology
		ECIV 309	3	Building Information Modeling in Construction	F	ECIV 308 Constr Practice (Co-Req)
		ECIV 315	3	Structures II	F,S	ECIV 312 Structures I
		ECIV 350	3	Transportation Engineering	F,S	
		ECIV 420	3	Earth and Foundation Engineering	S	ECIV 320 Geotechnical Engineering
		ECIV 425	3	Geotechnical Structures	F	ECIV 320 Geotechnical Engineering
		ENSC 460	3	Soil Remediation	S	ENSC 245 Soils
		ENSC 461	3	Restoration Ecology	F	BIOB 170 Organismal Biology
		GPHY 384	3	Advanced GIS and Spatial Analysis	F,S	GPHY 284 Introduction to GIS Science and Cartography
		SRVY 375	2	Analyt Photo/Remote Sensing	F odd	SRVY 230 Surveying
		ENSC 444	3	Watershed Hydrology	F	ENSC 245 Soils
		ENSC 448	3	Stream Restoration Ecology	F	BIOB 170 and NRSM 240 or BIOE 370
		EENV 490	1-4	Undergraduate Research	F,S,Su	
		ECIV 492	1-4	Independent Study	F,S,Su	
		ECIV 498	2 max	Career Internship	Su	
		EGEN 498	3 max	Engineering Internship (EWB)	Su	
Max 3 cr total.	}			A petitioned course.		
				A course from a completed minor.		
				A course from a prior/concurrent BS/BA degree. A		
				course from a completed Honors program.		