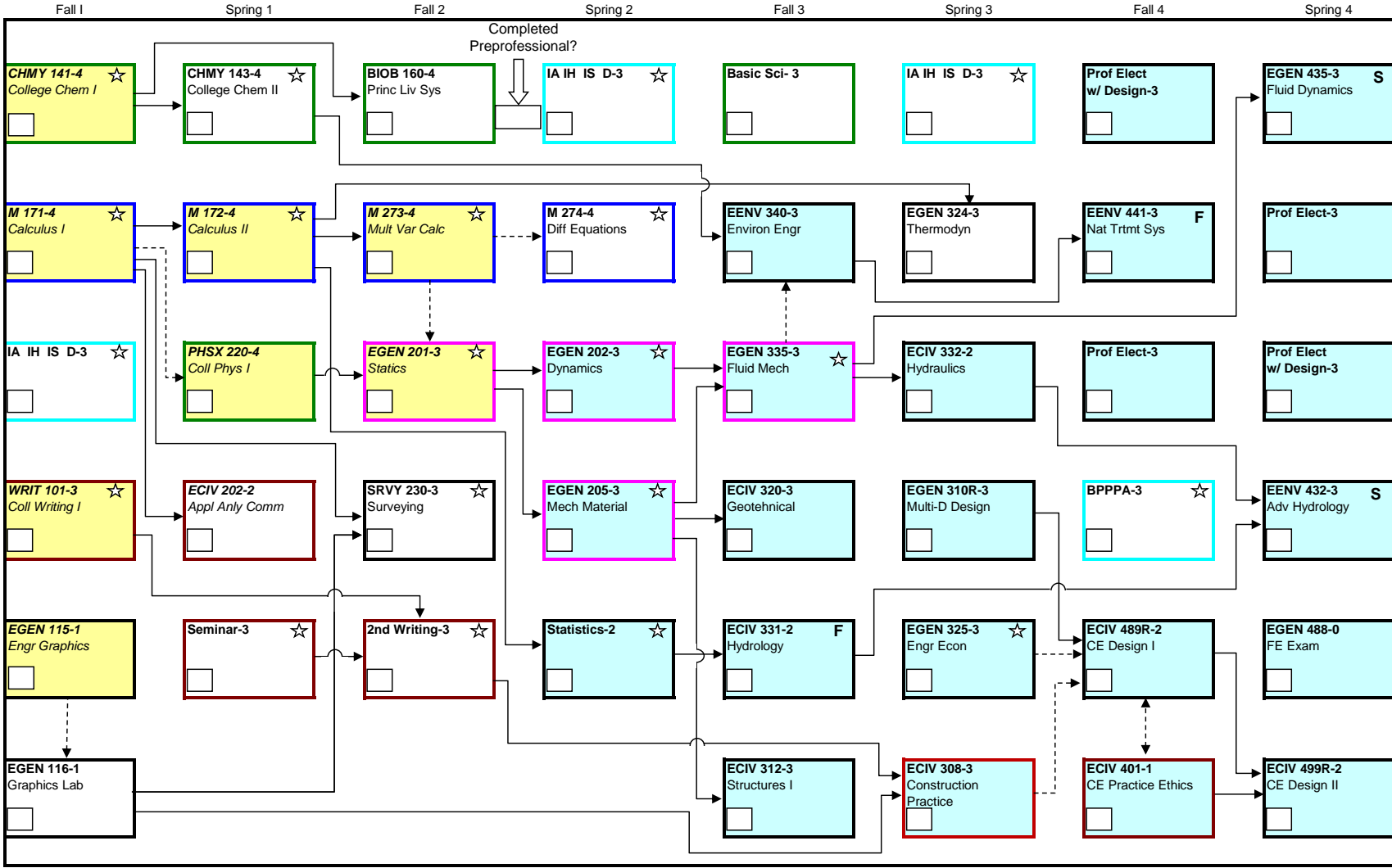


2012 - 2014 Catalog Degree: Civil Engineering Option: Bio-Resources Engineering

Modified:10/2012



<p>Ideas for Basic Science Elective:</p> <p>BIOB 170 (F,S) Organismal Biology (4) ENSC 245 (F) Soils (3) GPHY 284 (F) Intro to GIS Science and Cartography (3) PHSX 222 (F,S) Physics II (4) BIOM 360 (F,S) General Microbiology (5)</p>	<p>BPPPA:</p> <p>ECNS 101IS (F,S) Economic Way of Thinking BGEN 242D (F,S) Introduction to Global Markets PSCI 210IS (F, S, Su) Introduction to American Government PSCI 214IS (F) Principles of Political Science PSCI 230D (F) Introduction to International Relations</p>	<p>Seminar: US 101, CLS 101, COM 110, UH 201</p> <p>2nd Writing: BMGT 205, WRIT 201, WRIT 221, UH 202</p> <p>Statistics: EGEN 350-2, STAT 332-3</p> <p>☆ Indicates Summer Offering</p>	<p>Program Completed: Sign and Date</p> <p>Advisor _____</p> <p>Department _____</p>
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Corequisite ----->
 Prerequisite ----->
 F (Fall Only)
 S (Spring Only)

Student _____ ID _____

Transfer From: _____ Evaluator Sig. & Date: _____

BioResources Option Professional Electives

	Rubric	Number	Cr Hrs	Title	Credits	Offered	Grade	Prerequisite
At least one of these.	ECIV	431	3	Open Channel Hydraulics	<input type="text"/>	F	<input type="text"/>	ECIV 332 Hydraulics
	ECIV	435	3	Closed Conduit Hydraulics	<input type="text"/>	S	<input type="text"/>	ECIV 332 Hydraulics
	EENV	434	3	Groundwater Supply & Remediation	<input type="text"/>	S	<input type="text"/>	EGEN 335 Fluid Mechanics
At least one of these.	EENV	440	3	Water Chemistry for Environmental Engineers	<input type="text"/>	F	<input type="text"/>	EENV 340 Introduction to Environmental Engineering
	EENV	443	3	Air Pollution Control	<input type="text"/>	F even	<input type="text"/>	EENV 340 Introduction to Environmental Engineering
	EENV	445	3	Hazardous Waste Treatment	<input type="text"/>	F odd	<input type="text"/>	EENV 340 Introduction to Environmental Engineering
	EENV	447	3	Hazardous Waste Management	<input type="text"/>	S	<input type="text"/>	EGEN 335 Fluid Mechanics
	BIOE	370	3	General Ecology	<input type="text"/>	S	<input type="text"/>	BIOB 170 Organismal Biology
	ECIV	315	3	Structures II	<input type="text"/>	F,S	<input type="text"/>	ECIV 312 Structures I
	ECIV	350	3	Transportation Engineering	<input type="text"/>	F,S	<input type="text"/>	CE 201 Surveying
	ECIV	420	3	Earth and Foundation Engineering	<input type="text"/>	S	<input type="text"/>	ECIV 320 Geotechnical Engineering
	ECIV	425	3	Geotechnical Structures	<input type="text"/>	F	<input type="text"/>	ECIV 320 Geotechnical Engineering
	ECIV	498	2	Career Internship (2 credits max)	<input type="text"/>	F,S,Su	<input type="text"/>	
	EENV	490	1-4	Undergraduate Research	<input type="text"/>	F,S,Su	<input type="text"/>	
	EGEN	498	2	Engineering Internship (EWB)	<input type="text"/>	Su	<input type="text"/>	
	ENSC	353	3	Environmental Biogeochemistry	<input type="text"/>	F	<input type="text"/>	CHMY 143 Chem II and ENSC 245 Soils
	ENSC	444	3	Watershed Hydrology	<input type="text"/>	F	<input type="text"/>	ENSC 245 Soils
	ENSC	460	3	Soil Remediation	<input type="text"/>	S	<input type="text"/>	ENSC 245 Soils
	ENSC	461	3	Restoration Ecology	<input type="text"/>	F	<input type="text"/>	BIOB 170 Organismal Biology
	GPHY	384	3	Advanced GIS and Spatial Analysis	<input type="text"/>	F,S	<input type="text"/>	GPHY 284 Introduction to GIS Science and Cartography
	SRVY	375	2	Analyt Phot/Remote Sensing	<input type="text"/>	F odd	<input type="text"/>	
Maximum 3 credits total.	<input type="text"/>	<input type="text"/>	<input type="text"/>	A petitioned course.	<input type="text"/>		<input type="text"/>	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	A course from a completed minor.	<input type="text"/>		<input type="text"/>	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	A course from a prior/concurrent BS/BA degree.	<input type="text"/>		<input type="text"/>	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	A course from a completed Honors program.	<input type="text"/>		<input type="text"/>	
					Total (12 credits minimum) =	<input type="text"/>		