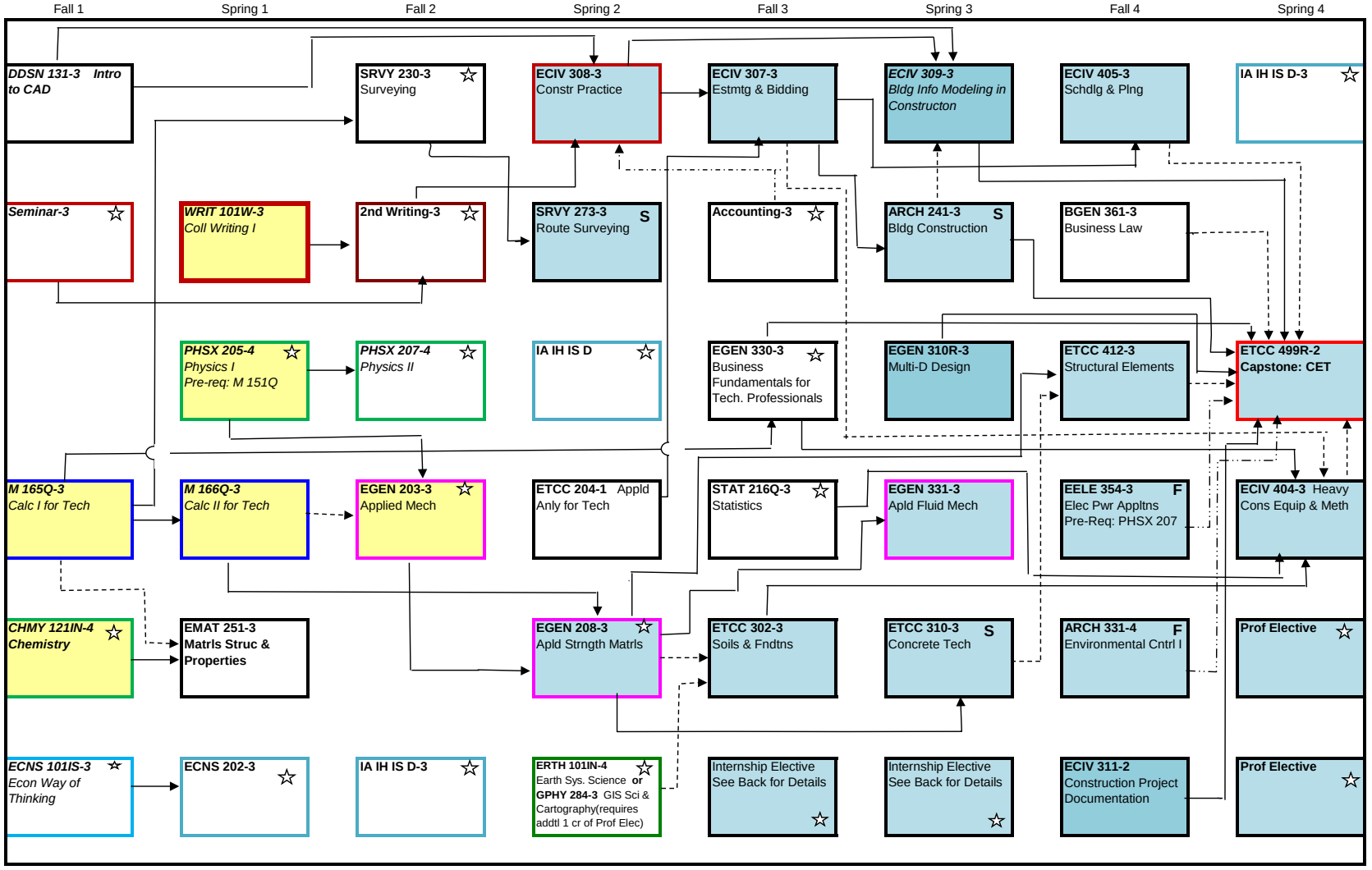
2018 - 2019 Catalog Degree: Construction Engineering Technology

Modified: 3/2018



F (Fall Only) PREREQUISITE

S (Spring Only)

COREQUISITE

STRONGLY RECOMMENDED SEQUENCING

Accounting: Choose One

+ACTG 201 (F,S,Su) Prin. of Accounting (Req for Bus Admin Minor)

ACTG 220 (F,S) Survey of Accounting

EIND 373 (S) Prod. Inv. & Cost Analysis

Seminar: US 101 , CLS 101, COMX 111, HONR 201US (CLS 201US if >30 credits completed, in lieu of 101)

2nd Writing: BMGT 205, WRIT 201, WRIT 221 , HONR 202

+ Required for Bus. Admin. Minor

☆ Indicates Summer Offering

Student _____ ID - _____

Rules Listed on Back of Sheet →

2018-19 Civil Engineering Professional Electives (Total of 15 cr-hrs required)

	Rubric	Number	Cr Hrs	Title	Offered	Prerequisite
At least two of these.	ECIV	414	3	Steel Design	F odd	ECIV 315 Structures II
	ECIV	415	3	Design of Masonry Structures	S even	ECIV 315 Structures II
	ECIV	416	3	Design of Wood and Timber Structures	S odd	ECIV 315 Structures II
	ECIV	484	3	Reinforced Concrete Design	F even	ECIV 315 Structures II
	ECIV	420	3	Earth and Foundation Engineering	S	ECIV 320 Geotechnical Engineering
	ECIV	425	3	Geotechnical Structures	F	ECIV 320 Geotechnical Engineering
	ECIV	431	3	Open Channel Hydraulics	F	ECIV 333 Water Resources Engineering
	ECIV	435	3	Closed Conduit Hydraulics	S	ECIV 333 Water Resources Engineering
	ECIV	451	3	Highway Pavements	S even	ECIV 350, ECIV 320
	ECIV	452	3	Traffic Engineering and ITS	F odd	ECIV 350, EGEN 350
	ECIV	454	3	Transportation Planning	S odd	ECIV 350, EGEN 350
	ECIV	456	3	Highway Geometric Design	F	ECIV 350, SRVY 230
	ECIV	461	3	Cold Regions Infrastructure Engineering	S	ECIV 320 & EGEN 335 Co-Req: ECIV 308
	EENV	432	3	Advanced Engineering Hydrology	S	ECIV 333 Water Resources Engineering
	EENV	434	3	Groundwater Supply and Remediation	S	EGEN 335 Fluid Mechanics
	EENV	441	3	Natural Treatment Systems	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
	SRVY	474	3	Project Design in Surveying	S odd	SRVY 230 Surveying
	ECIV	307	3	Constr Estimating and Bidding	F,S	ECIV 202, ECIV 308
	ECIV	309	3	Building Information Modeling in Construction	F,S	ECIV 308 Constr Practice (Co-Req)
	ECIV	311	2	Construction Project Documentation	F,S	ECIV 308
	ECIV	404	3	Heavy Const Equip and Methods	F.S	See Catalog
	ECIV	405	3	Const Proj Planning Scheduling	F,S	ECIV 307
	ECIV	406	3	Sustainability in Construction	S	ECIV 308
	ECIV	455	3	Data Acquisition & Analysis	S even	Knowledge of linear algebra, calculus & statistics
	EENV	440	3	Water Chemistry for Environmental Engineers	F	EENV 340 Introduction to Environmental Engineering
	EGEN	435	3	Fluid Dynamics	S	EGEN 335 Fluid Mechanics
	EGEN	415	3	Advanced Mechanics of Solids	F	EGEN 205 Mechanics of Materials
	SRVY	355	3	Surveying Calculations	S even	SRVY 230 Surveying
	SRVY	361	3	Intro to Legal Principles in Surveying	F even	SRVY 230 Surveying
	SRVY	362	3	Public Land Survey Systems	F odd	SRVY 230 Surveying
	SRVY	375	3	Analyt Photo/Remote Sensing	F odd	M 171 Calculus
	DDSN	245	3	Civil Drafting	F	DDSN 131 or DDSN 101
	ECIV	490	1-4	Undergraduate Research	F,S,Su	
	ECIV	492	1-4	Independent Study	F,S,Su	
Max 3 cr total.	ECIV	498	1-3	Career Internship (3 cr max)	Su	
				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.		