2024-25 Civil Engineering Checklist

Person		General Math and Sc MAT 230 Calculu
		MAT 231 Calculu
		MAT 305 Calculu
		EGR 210 Engine
		CHE 140 Genera
		CHE 141L General
		PHY 201 Univers
		PHY 202 Univers
		Science Elective
		Science Elective
		Engineering Core Red
		EGR 101 Introdu
		EGR 151 Prograr
		EGR 156 Intro Co
		EGR 221 Engine
	Fulfilled by major requirements (EGR 317)	EGR 242 Linear (
		EGR 301 Global
	Communication (6 credits)	EGR 317 Engine
	ENG 112 Writing and Community	EGR 491 Engine
	COM 101 Public Speaking	
		Civil Engineering Maj
	Cultural and Global Awareness (6 credits)	EGR 222 Engine
	World Language (determined by placement)	EGR 226 Mechai
	One of the following courses:	EGR 326 Engine
	GLS 101 Global Perspectives	EGR 365 Fluid M
	HUM 210 Meaning Through Culture	CVE 301 Surveyi
	<u>——</u>	CVE 327 Civil Eng
	Health and Well-Being (6 credits)	CVE 330 Structui
	HWB 110 Holistic Health: Mind, Body, and Spirit	CVE 332 Hydrau
	One of the following courses:	CVE 338 Soil Me
	PSY 101 General Psychology	CVE 411 Environ
	PSY 220 Human Growth and Development	CVE 430 Reinfor
	SOC 101 Introduction to Sociology	CVE 440 Founda
		CVE 492 Senior I
	Broad Integrative Knowledge Outside Major**	Civil Engineering
	a. Completion of a minor	Civil Engineering
	b. Completion of a second major	
	c. Completion of a Pathway	
	*Please refer to catalog or MUHUB Progress tab for a	
	complete list of courses that meet these requirements.	
	**Please refer to catalog or MUHUB Progress tab for a	
	description of acceptable major/minor options.	
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General Math and Science Core Reqs (30 hours) MAT 230 Calculus I	4				
MAT 230 Calculus I	4				
MAT 305 Calculus III	4				
EGR 210 Engineering Computation and Modeling					
CHE 140 General Chemistry I	3				
CHE 140 General Chemistry I Lab	1				
CHE 141L General Chemistry LabPHY 201 University Physics I	4				
PHY 201 University Physics I	4				
Science Elective (Non CHE or PHY)	3				
Science elective (Noti the of Fift)	3				
Engineering Core Requirements (24 hours)					
EGR 101 Introduction to Engineering	3				
EGR 151 Programming for Engineers					
EGR 156 Intro Computer Aided Design	3				
EGR 221 Engineering Mechanics: Statics	3				
EGR 242 Linear Circuit Analysis	3 3 3 3 3				
EGR 301 Global Engineering	3				
EGR 317 Engineering Economics	3				
EGR 491 Engineering Senior Design	3				
0.15					
Civil Engineering Major Requirements (45 hours)	•				
EGR 222 Engineering Mechanics: Dynamics	3				
EGR 226 Mechanics of Materials	3				
EGR 326 Engineering Statistics	3				
EGR 365 Fluid Mechanics	3				
CVE 301 Surveying with Lab	3				
CVE 327 Civil Engineering Materials	3				
CVE 330 Structural Analysis	3				
CVE 332 Hydraulics with lab	3				
CVE 338 Soil Mechanics	3				
CVE 411 Environmental Engineering					
CVE 430 Reinforced Concrete Design	3				
CVE 440 Foundation Engineering	3 3 3				
CVE 492 Senior Design Project II	3				
Civil Engineering Elective	3				
Civil Engineering Elective	3				
Total Earn	ed				
Hours129					

2024-25 B.S. Civil Engineering Major Sample Four-Year Plan

Year One									
Fall Semester			Spring Semester						
Requirement Category	Course	Credit Hrs	Requirement Category	Course	Credit Hrs				
Gen Math & Sci: Calculus I	MAT 230	4	Gen Math & Sci: Calculus II	MAT 231					

WSOE-CVE.Rev A.TJP (AC)

Date: 10/01/24