BSE: Civil & Environmental Engineering Concentration Model Program					
				(Starting Fall 2023 or Later)	
First Year	Fall (16)		 4 Chemistry 101 + 101L 4 Engineering 101 + 101L 4 Mathematics 171 2 Core Foundations 2 Interdisciplinary 102 	inti o to Linginice in g Design (i)	★ ENGR 20X - These courses are required but can be taken in any order (offered fall and spring): ENGR 202* - Statics and Dynamics ENGR 204 - Intro to Circuit Anal. and Electronics with Lab
	Spring (17)		 4 Engineering 205 4 Mathematics 172 4 Physics 133 + 133L 4 Core Comp and Skills 1 Core Comp and Skills 	Principles of Materials Science (S) Calculus II (F,S) Introductory Physics: Mechanics and Gravit Foundational Writing (ENGL 101) Health and Movement (Personal Fitness)	* Course offered as part of the Summer Program in Germany ty (S)
* Possibly insert Summer Program in Germany					
Second Year	Fall (16)				
	Spring (18)		 4 Engineering 20X ★ 4 Engineering 20X ★ 4 Mathematics 231 2 Statistics 241 4 Core Foundations 0 Engineering 294 	Differential Equations with Linear Algebra (Engineering Statistics (S) Foundations of Christianity I Engineering Seminar (does not require regis	
	* Possibly insert Summer Program in Germany				
Third Year	Fall (16)		 4 Engineering 305 4 Engineering 306 4 Engineering 320 2 Core Foundations 2 Economics (2 SH min) 	Mechanics of Materials (F) Environmental Engineering (F) Hydraulic Engineering (F) Foundations of Christianity II ECON 191 (2) or ECON 233 (4) - ECON 221, 2	222, or 232 may be added or substituted
	Spring (17)		 4 Engineering 308 4 Engineering 321 4 Engineering 326 4 Engineering Elective 1 Core Comp and Skills 	Environmental Engineering Design (S) Hydraulic Engineering Design (S) Structural Analysis (S) Health and Movement (Leisure, Sport, and S	Pink listings (core humanities courses) may be taken in any semester. ECON should be taken
	Internship Experience (ENGR 385 Optional)				prior to BUS 357.
Fourth Year	Fall (18)		 4 Core Knowledge and Unit 2 Core Knowledge and Unit 2 Business 357 	Structural Design (F) Senior Design Project (F) Advanced Math, Engineering, or Technical derstanding (see Core Options sheet) - D&D of derstanding (see Core Options sheet) Business Aspects for Engineers (F)	light brown are optional.
			1 Interdisciplinary 384	Sustainability Experience (F,S) (Required for st	tudents seeking Sustainability Designation)
	ing (14)		4 Engineering 3402 Engineering Elective (2 S		
	Spring		4 Core Knowledge and Union0 Engineering 394	derstanding (see Core Options sheet - 26 SH og Engineering Seminar (does not require regis	

Other Requirements

- □ 0-8 Core Comp and Skills: World Languages I (3 years in HS with B or better)
- □ 0-3 Engaged Citizenship Commitment Tag: Diversity and Difference
- □ 0-3 Engaged Citizenship Commitment Tag: Environmental Sustainability
- □ 0-3 Engaged Citizenship Commitment Tag: Global Regions and Cultures

