

College of Engineering & Computer Science

Civil Engineering

Fall 2017

Name _____

SUID _____

pr= prerequisite, co=corequisite

Minor/Second Major (if any): _____

CREDIT	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR	
	GRADE	F	S	F	S	F	S	F		S
MATHEMATICS (15)										
MAT295	(4)	4								
MAT296	(4)		4							
MAT397	(4)			4						
MAT485	(3)				3					
SCIENCES (16)										
CHE106	(3)	3								
CHE107	(1)	1								
PHY211	(3)		3							
PHY221	(1)		1							
PHY212	(3)			3						
PHY222	(1)			1						
Select one of the following two courses:										
EAR110	(4)									
EAR203	(4)		4							
WRITING SKILLS (9)										
WRT105	(3)	3								
WRT205	(3)			3						
WRT307	(3)				3					
SOCIAL SCIENCE /HUMANITIES (18) (See curriculum notes)										
SSH Elective	(3)	3								
SSH Elective	(3)		3							
SSH Elective	(3)			3						
SSH Elective	(3)		3							
SSH Elective	(3)					3*	3			
SSH Elective	(3)								3	
ENGINEERING (19/20)										
ECS101	(3)	3								
ECS221	(3)			3						
ECS222	(3)				3					
ECS325	(4)				4					
CIE/ECS 326	(3)							3		
Select One of the Following 2 Courses:										
CIE442	()						4**	3		
CIE463	()									
CIVIL ENGINEERING (44)										
CIE273	(3)			3						
CIE274	(3)				3					
CIE327/MAE341	(4)					4				
CIE329	(4)						4			
CIE331	(3)					3				
CIE332	(3)						3			
CIE337	(4)					4				
CIE338	(3)						3			
CIE341	(3)					3				
CIE352	(4)						4			
CIE401	(3)							3		
CIE443	(3)							3		
CIE475	(4)								4	
ELECTIVES (6)										
Free Elective	(3)								3	
Tech Elective	(3)								3	
TOTAL CREDITS	127-128	17	18	17	16	17	17-18	12	13	

*If SS/H taken, then take CIE 463 Fall senior year

**If CIE 442 taken, then take SS/H Fall senior year

See reverse side for all notes

CIVIL ENGINEERING Curriculum Notes 2017-2018

SS/HUM ELECTIVES

All CIE students are required to complete at least 18 credits of SS/HUM electives. A *minimum* of one course (or 3 credits) must be chosen from each of the three groups of designated courses listed below. The remaining three SS/HUM electives (or 9 credits) can be selected from the lists below or, in addition to the lists, may be chosen from:

- any College of Arts and Sciences courses that are listed on their Humanities and Social Sciences lists in the SU Bulletin – Undergraduate Course Catalog / Liberal Arts Core
- any foreign language courses (except student's native language)
- ECS 391 – Legal Aspects of ECS
- ECS 392 – Ethical Aspects of ECS.

Group 1: Economics and Social Issues
ECN 203 – Economics Ideas and Issues
ECN 301* – Intermediate Microeconomics
ECN 302* – Intermediate Macroeconomics
ECN 365* – The World Economy
GEO 353 – Geographies of Environmental Justice
SOC 101 – Introduction to Sociology
SOC 102 – Social Problems
SOC 363 – Urban Sociology
STS/BPS 101 – Introduction to Science, Technology and Society

Group 2: Global Affairs
*ECN 365 – The World Economy
GEO 103 – Environment and Society
GEO 105 – World Urban Geography
GEO 272 – World Cultures
GEO 273 – World Political Economy
MAX 123 – Critical Issues for the U.S.
MAX 132 – Global Community
PAF 351 – Global Social Problems
PSC 124 – International Relations
PSC 355 – International Political Economy

* requires ECN203 as prerequisite

Group 3: Public Policy and Policy Studies
ECN/WGS 358 – Economics of US Poverty & Discrimination
GEO 203 – Society and the Politics of Nature
GEO 314 – Hazardous Geographic Environments
GEO 356 – Environmental Ideas & Policy
PAF 101 – An Introduction to the Analysis of Public Policy
PAF 409+ – Intermediate Analysis of Public Policy
PAF 451 – Environmental Policy
PSC 302- Environmental Politics and Policy
PSC 305 – US Congressional Politics
PSC 308 – The Politics of US Public Policy
PSC 312 – Urban Government & Politics
PSC 318 – Technology, Politics & Environment

+ requires PAF101 as prerequisite

Technical Electives

Technical Electives MUST be CIE courses numbered 300 and above. They are to be selected in consultation with a student's advisor to advance the student's knowledge in a specific area of interest in civil or environmental engineering.

Free Electives

Any SU or ESF three or four credit course except Academic Excellence Workshops, Physical Education and remedial courses.