

U.A. WHITAKER SCHOOL OF ENGINEERING						
BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING (B.S.Env.E.)						
128 Credits						
Freshman Year						
Semester 1			Semester 2			
Course Number	Course Title	CR	Course Number	Course Title	CR	
1	EGN 1006L	Intro to Engineering Prof.	1	EGN 1041C	Computational Tools for Eng	2
	ENC 1101	Composition I (W)	3	PHY 2048C	General Physics I	4
		Humanities*	3	MAC 2312	Calculus II	4
	MAC 2311	Calculus I	4	ENC 1102	Composition II (W)	3
	BSC 1010C	General Biology w/lab I	4	HUM 2510	Understanding Visual & Performing Arts	3
		Total	15		Total	16
Sophomore Year						
Semester 3			Semester 4			
Course Number	Course Title	CR	Course Number	Course Title	CR	
4	EGM 3420C	Engineering Mechanics	4	EGN 3331C	Mechanics of Materials	3
	MAC 2313	Calculus III	4	ENV 3006C	Fundamentals of Environ Engng	3
	CHM 1045C	Gen Chemistry w/Lab I	4	STA 2037	Statistics with Calculus	3
	PHY 2049C	General Physics II	4	MAP 2302	Diff Equations	3
		Total	16	CHM 1046C	Gen Chemistry w/Lab II	4
					Total	16
Summer term*						
	Social Science (recommend ECO 2023)	3				
	Social Science*	3				
	Humanities*	3				
		Total	9			
*One of these courses must be a writing course to satisfy the Gordon Rule (W).						
NOTE: Students must earn at least 9 semester hours by attending one or more summer sessions at a State Univeristy System member institution.						
Junior Year						
Semester 5			Semester 6			
Course Number	Course Title	CR	Course Number	Course Title	CR	
2	EES 3204C	Environ Chem for Engineers	3	EGN 3641C	Engineering Entrepreneurship	3
3	ENV 4351	Solid Waste Management OR ENV 4330C Hazardous Waste Remediation	3	ENV 3502C	Water Treatment Engineering	3
3	CWR 3201C	Engineering Fluid Mechanics	3	ENV 4101C	Atmospheric Pollution	3
3	CGN 3323C	Surveying and Geomatics	3	CWR 3202C	Hydrology and Hydraulics	3
	choose one	MCB 3652C Environmental Microbiology (3) OR EVS 4814C Environmental Toxicology (3)	3		Free Elective such as EGN 2111C	2
		Total	15		Total	14
Senior Year						
Semester 7			Semester 8			
Course Number	Course Title	CR	Course Number	Course Title	CR	
3	ENV 4330C	Hazardous Waste Remediation OR ENV 4351 Solid Waste Management	3	ENV 4891C	Environmental Engineering Senior Design	3
3	ENV 4509C	Wastewater Engineering	3	ENV 4612C	Sustainability in Engineering	3
3	CWR 4540C	Water Resources Design	3		Engineering Technical Elective**	3
2	CCE 4031	Project Planning and Regulations	3	IDS 3920	University Colloquium (W)	3
	choose one	GLY 2030 Environmental Geology (3) OR GLY 1000C Physical & Historical Geology (4)	3		Total	12
		Total	15			
27	<i>Minimum total engineering topics = 48</i>					25

Total Hours = 128

**The engineering technical elective can be any ENV, EES, CEG, CWR, CES, or TTE engineering course or EVR 4043 with approval of the advisor in consultation with the faculty.

Engineering common core - engineering courses
Engineering courses unique to B. S. in Environmental Engineering
Engineering courses shared by Civil and Environmental Engineering