

**Department of Water Resources Management
Environmental Engineering Program
(ENE)**

Effective 2017-2018
Degree/Major: **B. S. in Environmental Engineering (Four year)**
134 Credit Hours

Name: _____
Advisor: _____

Date Entered: _____
Chairperson: _____

REQUIRED IN OTHER DEPARTMENTS	Cr. Hrs	Semester & Year	Grade	MAJOR REQUIREMENTS:	Cr. Hrs	Semester & Year	Grade
Core General Education – 14-15 hrs				FYS 1101/FYS1102			
ENG 1100 or ENG 1101	4~5			FYS 1101 First Year Seminar	1		
ENG 1102 – Writing & Res./Essay	4			GEL 1101 Physical Geology	4		
HIS 1110 – Intro. History/Africans/US	3			WRM 3308 Water and Environmental Law	3		
HIS 1121/ HIS 1122 – Global Civ I or II	3			BIO 2650 Microbiology	4		
Humanities and Fine Arts – 3 hrs (List B)				General Engineering - 18 hrs			
Course B-1	3			MFE 1210 Engineering Analysis I	3		
Social/Behavioral Sciences – 9 hrs(List C)				MFE 2310 Statics	3		
Course C-1	3			MFE 2420 Dynamics	3		
Course C-2	3			MFE 3530 Strength of Materials	3		
WRM 3370 Introduction to GIS*	3			MFE 3550 Thermodynamics and Heat Transfer	3		
Chemistry – 8 hrs				INT 3650 Surveying	3		
CHM 1201 General Chemistry I	4			Environmental Engineering - 36 hrs			
CHM 1202 General Chemistry II	4			ENE 2200 Intro. to Env. Engg.	3		
Physics – 10 hrs				ENE 3305 Fluid Mechanics and Hydraulics	3		
PHY 2211 University Physics I	5			ENE 3309 Water Chemistry	3		
PHY 2212 University Physics LabI	0			ENE 3315 Air quality Engineering	3		
PHY 2213 University Physics II	5			ENE 3320 Engineering Hydrology	3		
PHY 2214 University Physics LabII	0			ENE 3325 Groundwater Hydraulics	3		
Mathematics – 20 hrs				ENE 4405 Applied Hydraulics	3		
MTH 2001 Probability and Statistics I	3			ENE 4415 Water Supply	3		
MTH 2502 Calculus I	4			ENE 4425 Solid and Hazardous Waste Management	3		
MTH 2503 Calculus II	5			ENE 4430 Wastewater Treatment Systems	3		
MTH 3110 Differential Equations and Discrete Dynamical Systems	4			ENE 4496 Senior Capstone Design Project I	1		
MTH 3002 Multivariate Calculus	4			ENE 4498 Senior Capstone Design Project II	2		
Technical Requirements – 3 hrs (List A)				ENE 4440 Environmental Professionals Seminar	1		
INT 1210**Engineering Computer Graphics	3			Internship (Summer term)	3		
				Program minimum total semester hours required for graduation			/134

SPECIAL REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE:

1. A grade-point average in the major concentration of at least 2.0.
2. Except when required to meet accreditation or other professional standards, presentation of no more than 50 semester hours in any one discipline toward the 124 hours.
3. The sciences and the more technical subject matter areas must receive concentration and emphasis.

* Counts also as ENE Elective 1

** Counts also as general engineering requirement

Advisor's Signature