

MARQUETTE UNIVERSITY
College of Engineering
Department of Civil and Environmental Engineering

ENVIRONMENTAL ENGINEERING MAJOR (Effective Fall 2006)

Freshman Year

<u>FIRST SEMESTER</u>	<u>CREDITS</u>	<u>SECOND SEMESTER</u>	<u>CREDITS</u>
CHEM 001 General Chemistry 1	4	CHEM 002 General Chemistry 2	4
Core Rhetoric 1 ¹	3	Core Rhetoric 2 ¹	3
GEEN 011 Intro. To Engineering	1	GEEN 010 Engrg. Problem Solving	2
GEEN 022 Graphics for Engineers	2	GEEN 023 Engineering Computing	2
MATH 080 Calculus 1	4	MATH 081 Calculus 2	4
Elective: History of Cultures/Societies	<u>3</u>	Elective: Individual and Social Behavior	<u>3</u>
	17		18

Sophomore Year

<u>FIRST SEMESTER</u>	<u>CREDITS</u>	<u>SECOND SEMESTER</u>	<u>CREDITS</u>
PHYS 003 Physics 1	4	PHYS 004 Physics 2	4
MATH 082 Calculus 3	4	MATH 083 Differential Equations	4
GEEN 003 Engineering Orientation	0	CEEN 020 Dynamics	3
CEEN 010 Statics	3	MEEN 102 Engineering Economy	2
CEEN 032 Surveying	3	Elective: Literature/Performing Arts	<u>3</u>
Elective: Diverse Cultures	<u>3</u>		16
	17		

Junior Year

<u>FIRST SEMESTER</u>	<u>CREDITS</u>	<u>SECOND SEMESTER</u>	<u>CREDITS</u>
CEEN 130 Mechanics of Materials	3	CEEN 110 Structural Analysis 1	3
CEEN 151 Fluid Mechanics	3	CEEN 126 Hydraulic Engineering	3
CEEN 043 Materials Laboratory	3	CEEN 162 Geotechnical Engineering	3
CEEN 150 Environmental Engineering	3	CEEN 170 Transportation Engineering	3
Biological Science Elective ²	3	PHIL 050 Philosophy of Human Nature	<u>3</u>
MEEN 104 (Engrg. Thermodynamics)	<u>3</u>		15
	18		

Senior Year

<u>FIRST SEMESTER</u>	<u>CREDITS</u>	<u>SECOND SEMESTER</u>	<u>CREDITS</u>
Structural Design Elective ³	3	CEEN 189 Civil Engineering Design	4
CEEN 154 Environmental Chemistry	3	Env. Engrg. Tech. Elective	3
CEEN 180 Construction Management	3	Env. Engrg. Tech. Elective (Design)	3
CEEN 187 Environmental Seminar	0	PHIL 104 Theory of Ethics	3
CEEN 139 Engrg. Fundamentals Review	1	Elective: Theology	<u>3</u>
Env. Engrg. Tech. Elective (Design)	3		16
THEO 001 Introduction to Theology	<u>3</u>		
	16		

¹ ENGL 001(Rhetoric and Composition 1) and either ENGL 002 (Rhetoric and Composition 2) or COM 011 (Contemporary Presentation)

² Select one of the following: BIOL 001, BIOL 040, or CEEN 158

³ Either CEEN 113 (Design of Steel Structures) or CEEN 144 (Design of Concrete Structures)