

SOUTHERN UNIVERSITY AND A&M COLLEGE
College of Engineering & Computer Science
Department of Civil & Environmental Engineering
CIVIL ENGINEERING CURRICULUM SHEET
2012-2014 Catalog

FRESHMAN YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Freshman Engr I	ENGR	120	2		Freshman Engr II	ENGR	130	2
Life Science Elec**	BIOL	104	3		Economics	ECON	205	3
Fresh. Composition	ENGL	110	3		Calculus II	MATH	265	4
General Chem Lec.	CHEM	132	3		Freshman Composition	ENGL	111	3
General Chem Lab	CHEM	112	1		General Physics	PHYS	221	3
Calculus I	MATH	264	4		General Physics Lab	PHYS	223	1
Total			16		Total			16
SOPHOMORE YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Surveying	CIEN	201	3		Dynamics	MEEN	225	3
History Elective	HIST		3		Mechanics of Materials	MEEN	227	3
Statics	CIEN	224	3		Fluid Mechanics	CIEN	321	3
Tech. Communication	ENGR	230	2		Cal III and D E	MATH	395	4
Prob. & Statistics	ENGR	320	2		Intro to Environ Engr	CIEN	325	3
General Physics	PHYS	222	3					
General Physics Lab	PHYS	224	1					
Total			17	Total			16	
JUNIOR YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Water Quality Analysis	CIEN	421	3		Engineering Math	ENGR	320	3
Computer Aided Methods in CE	CIEN	311	2		Thermodynamics/Electrical Network	MEEN /ELEN	300/208	3
Hydraulic & Hydrology	CIEN	423	3		Engr. Economics	CIEN	310	3
Structural Analysis	CIEN	361	3		Transportation Engr I	CIEN	381	3
Geotechnical Engr I	CIEN	424	3		Structural Steel Design	CIEN	469	3
Social Sci. Elective**			3		Const Materials Lab	CIEN	327	2
Total			17		Total			17
SENIOR YEAR								
First Semester					Second Semester			
Course	Dept	No	Cr		Course	Dept	No	Cr
Environ/Water Res Elec	CIEN	XX1	3		History Elective	HIST		3
English Literature Elec			3		Sr. Design II	CIEN	483	2
Concrete Design	CIEN	470	3		ARTS Elective	ARTS		3
Senior Design Project I	CIEN	482	2		Health/Physical Ed Elective	HLTH/ PHED		2
Civil/General Engr Topic Review	CIEN	490	1		Engineering Seminar	ENGR	400	1
Engineering Mangt	CIEN	478	3		CE Technical Elective	CIEN	XX2	3
Total			15		Total			14

OTHER REQUIREMENTS			
Course	Dept	No	Cr
African American Experience	Engl^	203	3
Community Service	Volu	400 or 100, 200 & 300	3
Writing Proficiency	Engl	001	0
Dept. Comp Exam	CIEN	000	0

The required total number of credit hours to fulfill all CE degree requirements is 128.