

CIVIL ENGINEERING LOUISIANA TECH UNIVERSITY

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR										
Fall Quarter			Winter Quarter			Spring Quarter				
		Cr	Gr			Cr	Gr		Cr	Gr
ENGR 120*	Engr Problem Solving I	2		ENGR 121*	Engr Problem Solving II	2		ENGR 122*	Engr Problem Solving III	2
MATH 240*	Math for Engr & Science I	3		MATH 241*	Calculus I	3		MATH 242*	Calculus II	3
CHEM 100*	General Chemistry	2		CHEM 101*	General Chemistry	2		PHYS 201*	Physics for Engr & Science I	3
ENGL 101	Freshman Composition I	3		CHEM 103	General Chemistry Lab	1		HIST ____**		3
UNIV 100	University Seminar	1		ENGL 102	Freshman Composition II	3				
		11				11				11

SOPHOMORE YEAR										
Fall Quarter			Winter Quarter			Spring Quarter				
		Cr	Gr			Cr	Gr		Cr	Gr
ENGR 220*	Statics & Mechs of Materials	3		ENGR 221	Electrical Engr & Circuits I	3		ENGR 222	Thermodynamics	3
MATH 243*	Calculus III	3		MATH 244*	Calculus IV	3		MATH 245	Differential Equations	3
CVEN 202	Civil Engr Materials Lab	1		CHEM 102*	General Chemistry	2		CVEN 254	Plane Surveying	3
MEMT 201	Engineering Materials	2		CHEM 104	General Chemistry Lab	1		ENGL 303	Technical Writing	3
BISC 101	Fundamentals of Biology	3		MEMT 211*	Intermediate Strengths of Materials	2				
		12				11				12

JUNIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter				
		Cr	Gr			Cr	Gr		Cr	Gr
CVEN 332	Transportation Engineering I	3		CVEN 333	Transportation Engineering II	3		CVEN 310	Water Resources I	3
CVEN 340	Structural Analysis & Design	3		CVEN 343	Reinforced Concrete Design	3		CVEN 324	Intro to Soils Engineering	3
MEMT 203	Dynamics	3		CVEN 392	Numerical Methods in CE	2		CVEN 342	Steel Design	2
GEOL ____	Geology	3		MEMT 313*	Fluid Mechanics	3		ENGL 363	Scientific/Tech Presentation	3
		12				11				11

SENIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter				
		Cr	Gr			Cr	Gr		Cr	Gr
CVEN 325	Foundation Engr	3		CVEN 314	Environmental Engineering	3		CVEN 494	Civil Engr Design III	1
CVEN 492	Civil Engr Design I	1		CVEN 493	Civil Engr Design II	1		CVEN 460	Principles of Infrast. Manag.	2
ENGL 210, 211, or 212 Literature		3		Directed Elective**		3		Directed Elective**		3
ART†	Fine Arts Appreciation	3		Social Science***		3		Social Science***		3
Social Science***		3				10				9

Neither *MATH 240* nor *CHEM 100* counts toward the Civil Engineering degree. Placement exams are available.

* Grade of C or higher required before taking a course for which this one is a prerequisite.

** Directed electives are chosen in consultation with an advisor and approved by the Program Chair.

*** HIST 102, GEOG 205, or GEOG 210 count as the International Education Requirement (IER).

† ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

Courses in **bold** are typically offered only once per year.