

**LAMAR UNIVERSITY - BEAUMONT**  
**B. S. in CIVIL ENGINEERING (122 Hours)**  
**2014-2015**

**Name:** \_\_\_\_\_

**Street:** \_\_\_\_\_

**L#:** \_\_\_\_\_

**City,State,Zip:** \_\_\_\_\_

**Advisor:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**FALL**

**SPRING**

**FIRST YEAR**

	CR	GRADE			
ENGL 1301 English Composition I	3				
MATH 2413 Calculus & Analytic Geo. I	4				
CHEM 1311 - Chemistry I	3				
CHEM 1111 - Chemistry I Lab	1				
INEN 1101 - Intro to Engineering	1				
History 1 <sup>3</sup>	3				

	CR	GRADE			
PHIL 1370 Philosophy of Knowledge <sup>1</sup>	3				
MATH 2414 Calculus & Analytic Geo. II	4				
PHYS 2425 Physics I	4				
COMM 1315 Public Speaking <sup>2</sup>	3				
Creative Arts Elective <sup>4</sup>	3				

**SECOND YEAR**

PHYS 2426 Physics II	4				
<b>CVEN 2301 Statics</b>	3				
MATH 3328 Linear Algebra	3				
CVEN 2270 - Surveying	2				
MATH 3435 Calculus & Analytic Geo. III	4				

INEN 2373 Engineering Economics <sup>5</sup>	3				
<b>MEEN 2302 Dynamics</b>	3				
<b>CVEN 2372 Mechanics of Solids</b>	3				
MATH 3301 Ordinary Diff. Equations	3				
CHEN 2374 Thermodynamics I	3				

**THIRD YEAR**

CVEN 3310 Water Chem in Env. Eng.	3				
CVEN 3340 Structural Analysis	3				
CVEN 3350 Hydraulics	3				
CVEN 3290 Eng. Probability & Statistics	2				
POLS 2301 American Gov't. I	3				
History 2 <sup>3</sup>	3				

CVEN 3200 Materials Engineering	2				
CVEN 3360 Engineering Hydrology	3				
CVEN 3370 Water and Wast Water Treatment	3				
CVEN 3390 Geotechnical Engineering	3				
Science Elective <sup>7</sup>	3				
POLS 2302 American Gov't. II	3				

**FOURTH YEAR**

CVEN 4312 - CE Systems Design Project (I)	3				
CVEN 4365 Intro to Transportation Engr.	3				
CVEN 4340 Foundation Engineering	3				
CVEN 4380 Reinforced Concrete Design	3				
CVEN 4110 Seminar	1				

CVEN Elective <sup>6</sup>	3				
CVEN 4350 Hydraulics Engineering	3				
CVEN 4390 Structural Steel Design	3				
CVEN 4313 - CE System Design Project (II)	3				

Notes:

All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

(1) or PHIL 2306 Ethics

(2) Other Communication electives: COMM 1321, DSDE 1371(ASL 1), FREN 1311, or SPAN 1311

(3) Two semesters of US or Texas History from: HIST 1301, 1302, or 2301

(4) Creative Arts electives are: ARTS 1301, ARTS 1303, DANC 2304, MUSI 1306, COMM 1375, OR PHIL 1330

(5) Social and Behavioral Sciences elective is INEN 2373 Engineering Economics

(6) Must be approved by department chair. CVEN Electives are: CVEN 4300, 4320, 4355, 4360, or 4370

(7) Science Electives - min. 3 hours: GEOL 1403, BIOL 1406 or PHYS 3350