CR

CR

ENGL 1301 Composition I

3

Philosophy Elective

1

3

MATH 2413 Calculus & Analytic Geom. I

4

MATH 2414 Calculus & Analytic Geom. II

4

CHEM 1311 - General Chemistry I

3

PHYS 2425 University Physics I

4

CHEM 1111 - General Chemistry I Lab

1

Communication Elective

2

3

CVEN 1201 Intro to Civil Eng. (P/C: MATH 2413)

2

CVEN 2370-CAD/Intro Survey (P/C:MATH 2413)

3

History 1301: US History 1

3

**TOTAL**

**16**

**TOTAL**

**17**

PHYS 2426 University Physics II

4

INEN 2373 Engineering Economics

5

3

CVEN 2301 Statics (P: PHYS 2425)

3

MEEN 2302 Dynamics

3

3

CVEN 2372 Mechanics of Solids (P: CVEN 2301)

3

CVEN 3311 IntroEnvEng (P:CHEM1311 & MATH2413)

3

MATH3301ODE or CVEN2320 DiffEQ(P.Math2414)

3

MATH 3435/2415 Calculus III

4

Creative Arts Elective

4

3

 **TOTAL**

**17**

**TOTAL**

**15**

History Elective

3

3

CVEN 3300 Eng. Materials Sys. (P: CVEN 2372)

3

CVEN 3340 Structural Analysis (P: CVEN 2372)

3

CVEN 3360 Engineering Hydrology (P:MEEN2302)

3

CVEN 3351 Fluid Mechanics (P:MEEN 2302)

3

CVEN 3370 Wtrr&W. Wtr Trt (P: CVEN 3311, 3351)

3

MATH 3370 Intro Theory Statistical Infer

3

CVEN 3390 Geotechnical Engineering (P: CVEN 2372)

3

POLS 2301 Intro to American Gov't. I

3

Science Elective

6

4

**TOTAL**

**15**

**TOTAL**

**16**

CVEN4212

Pass at least 4: CVEN3300,3311,3340,3351,or 3390

2

CVEN Elective

7

3

CVEN 4365 Intro to Trans Engr. (P/C: MATH 3370)

3

CVEN 4350 Hydraulics Eng. (P: CVEN 3351)

3

CVEN 4340 FdnEng (P:CVEN 3390)

3

CVEN 4390 Structural Steel Design (P:CVEN3340)

3

CVEN 4380 Rnfd. Conc. Dsg. (P: CVEN 3340)

3

CVEN4313

Pass at least 4: CVEN3300,3311,3340,3351,or 3390

3

CVEN 4110 Seminar (P: Senior Standing)

1

POLS 2302 American Gov't. II

3

**TOTAL**

**15**

**TOTAL**

**12**

All Math, Science and Engineering courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements.

(1) PHIL 1370 or PHIL 2306 Ethics

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

(7) CVEN Electives: CVEN 4320, 4370, 4309, 53XX (Must have senior status), Math 2318

(8) If test scores (SAT/MRS) do not meet the required minimum, additional math courses will be required

P: Pre-requisite, C: Co-requisite, P/C pre or co requisite

**LAMAR UNIVERSITY - BEAUMONT**

**2019-2020 with FOS**

 **PROGRAM OF STUDY**

**B. S. in CIVIL ENGINEERING (123 Hours)**

**L#:**

**Advisor:**

**Name:**

**Street:**

**FOURTH YEAR**

**THIRD YEAR**

**City,State,Zip:**

**Phone:**

**GRADE**

**GRADE**

**SECOND YEAR**

**FALL**

**SPRING**

**FIRST YEAR**

(6) Science Electives: GEOL 1403 or BIOL 1406

Version 9/3/2019 Notes:

(3) History Electives: HIST 1302 or 2301

(2) Communication electives: COMM 1315, COMM 1321, DSDE 1371, FREN 1311, or SPAN 1311

(4) Creative Arts electives are: ARTS 1301, ARTS 1303, DANC 2304, MUSI 1310, MUSI 1306, COMM 1375, THEA 1310 OR PHIL 1330

CVEN Elective

7

 \*\*\* Can be substituted with equivalent courses from the THECB approved Field of Study for Civil Engineering

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