ENGINEERING (D.E.)

Degree: Doctor of Engineering

Major. Engineering

Concentration: Civil, Electrical, Industrial, Mechanical

Characteristics of the DE Program (https://www.lamar.edu/ catalog-2019-2020/_files/documents/18-Characteristics-of-DE-Program-_FY2015-2016.pdf)

Degree Requirements

| Code | Title | Hours |
|-------------------------|--------------------------------|-------|
| Required Courses | | |
| CVEN 6301 | Special Topics | 3 |
| or CVEN 6310 | Design Projects | |
| CVEN 6332 | Adv Geotech Engineering | 3 |
| CVEN 6333 | Chem Principles Envrmt Systems | 3 |
| CVEN 6334 | Sustainability: Life Cycle | 3 |
| CVEN 6336 | Stormwater Mgmt & Design | 3 |
| CVEN 6345 | Water Qual Modeling/Monitoring | 3 |
| CVEN 6387 | Hydraulics of Env Systems | 3 |
| CVEN 6388 | Computer Methds Engr Proj Mgmt | 3 |
| Proposal Defense | | |
| CVEN 6320 | Justification Engineering Proj | 3 |
| Professional Seminar | | |
| CVEN 6110 | Professional Seminar | 1 |
| CVEN 6110 | Professional Seminar | 1 |
| CVEN 6110 | Professional Seminar | 1 |
| CVEN 6110 | Professional Seminar | 1 |
| Dissertation | | |
| ENGR 6603 | Engineering Dissertation I | 6 |
| ENGR 6604 | Engineering Dissertation II | 6 |
| ENGR 6604 | Engineering Dissertation II | 6 |
| ENGR 6604 | Engineering Dissertation II | 6 |
| ENGR 6604 | Engineering Dissertation II | 6 |
| Total Hours | | 61 |

- Total Hours
- a. All College of Graduate Studies general Degree requirements must be met
- b. The student shall complete a residency of at least one year
- c. Completion of candidacy is a qualifying examination designed by the student's dissertation committee. The purposes of this examination are to test the ability of the student to comprehensively relate the subjects of the study program and to ascertain the student's qualifications to perform the field study. Students who pass the gualifying examination are admitted to candidacy. Students who fail to pass the gualifying exam are allowed to schedule a re-examination within six weeks after the first attempt. Failing to pass the qualifying exam for the second time will remove the student from the D.E. program.
- d. After the student is admitted to candidacy, a research proposal must be presented to the doctoral dissertation committee within six months after passing the qualifying examination. Upon committee

approval of the proposed engineering research through an oral defense, the research work is initiated

- e. The D.E. degree must be completed within 10 consecutive years of study
- f. Students who have not earned a masters degree in engineering are required to take at least 33 credit hours coursework
- g. Students who do not have a degree in Civil Engineering may be required to take additional leveling courses