

# The Roadmap to the Doctor of Engineering (DE) Degree

The Doctor of Engineering degree is designed to prepare engineers to study engineering problems of complex nature and to develop solutions that address the most pressing engineering issues of the future. This document describes the procedure and timeline to earn the DE degree at Lamar University.

## Degree Requirements at a Glance

Type	Core*	Electives*	Dissertation	Senior	Total
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- 6 After the student is admitted to candidacy, a research proposal must be presented to the doctoral dissertation committee within 6 months after passing the qualifying examination. Upon committee approval of the proposal, engineering research through a doctoral defense, the research work is initiated.**
- 7 Completion of a minimum of 30 semester hours of DE dissertation courses (ENGR 6603**

## **Timeline**

Unless under special circumstances, the following timeline is recommended by the College of Engineering

**For students admitted with a MS engineering degree\***

<b>Time</b>	<b>Accomplishments</b>
<b>Year 1</b>	<ol style="list-style-type: none"><li>1. Complete the core course requirement</li><li>2. Complete part of the elective requirement; the electives can be special topic courses designed by the student's supervising professor</li><li>3. Complete the diagnostic exam course work (Fom D1A and D1B)</li><li>4. Explore research opportunities with the supervising professor</li></ol>
<b>Year 2</b>	<ol style="list-style-type: none"><li>1. Consult with the supervising professor to form a permanent DE dissertation committee consisting of no less than four (4) faculty members. At least one committee member must be outside of the department that student is in. The committee chair is the supervising professor of the student. (Fom D2)</li><li>2. Complete the elective course requirement including ENGR 630 (Justification of Engineering Project). The purpose of ENGR 630 is to prepare the DE student in reviewing literature for the DE research. The DE student must take the DE qualifying examination while taking ENGR 630 (list the courses in Fom D3)</li><li>3. Pass the DE qualifying examination and enter DE candidacy (Fom D4A and D4B)</li><li>4. Start working on DE dissertation proposal with the supervising professor</li></ol>
<b>Year 3</b>	<ol style="list-style-type: none"><li>1. Start taking ENGR 610 (professional seminar) each long (fall and spring) semester after entering candidacy. The course dates each DE candidate to make technical presentation to all other peers candidates</li><li>2. Take one ENGR 608 (DE dissertation) course. Upon conclusion of this course, the DE candidate's proposal must be defended</li><li>3. Successfully defend for the dissertation proposal (Fom D5)</li><li>4. Take ENGR 601 (DE dissertation) continuously. This course signifies that you have completed the proposal defense and actively work on the proposed DE research</li></ol>
<b>Year 4 &amp; on</b>	<ol style="list-style-type: none"><li>1. Continue to take ENGR 610 until graduation</li><li>2. Continue to take ENGR 601 until graduation</li><li>3. Complete the proposal research</li><li>4. Draft the DE dissertation and schedule for DE defense at least 2 weeks before the final defense date (Fom D6A)</li><li>5. Successfully defend for the DE dissertation (Fom D6B)</li><li>6. File for graduation following the timeline specified for the semester of graduation</li></ol>

\*: The procedures for students admitted with a BS degree from a 4 year engineering college are similar; except that the Year 1 & 2 activities may stretch to 3 years because 18 snow semester hours of electives are required for students admitted to the program with a BS degree