

# MASTER OF ENGINEERING SCIENCE - CHEMICAL (MES)

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Degree: Master of Engineering Science

Major: Engineering

Total Hours: 30

## Requirements:

- a. All College of Graduate Studies general degree requirements.
- b. Completion of a minimum of 12 semester hours of core coursework as follows:
  - i. CHEN 6302 Transport Phenomena
  - ii. CHEN 6343 Kinetics and Reactor Design
  - iii. CHEN 6347 Advanced Thermodynamics
  - iv. CHEN 6348 Adv Chem Engineering Math
- c. Completion of a minimum of 12 semester hours of elective coursework selected from the following:
  - i. All other CHEN 5XXx and CHEN 6XXX level courses approved by your research advisor and committee.
  - ii. Other 5XXx and 6XXX level courses from other engineering or science disciplines approved by your research advisor.
- d. Satisfactory completion and defense of a Master's thesis (a minimum of 6 semester hours of coursework in CHEN 5390 and CHEN 5391.)

## Degree Requirements

Students will complete 30 credit hours, including 24 credit hours of coursework and satisfactory completion and defense of a Master's thesis (a minimum of 6 credit hours).

Code	Title	Hours
<b>Engineering Core Courses</b>		
CHEN 6302	Transport Phenomena	3
CHEN 6343	Kinetics and Reactor Design	3
CHEN 6347	Advanced Thermodynamics	3
CHEN 6348	Adv Chem Engineering Math	3
<i>Engineering Electives</i> <sup>1</sup>		12
CHEN 5000:6999		
<i>Thesis</i>		
ENGR 5390	Thesis	3
ENGR 5391	Thesis	3
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> All 5000 and 6000 level courses must be approved by research advisor.

*Up to 6 credit hours of graduate-level coursework (5000 level) taken as part of B.S. engineering programs at Lamar University can be counted toward the 30-hour degree requirement. These courses shall receive prior approval by the department chair or his/her designee.*