

MASTER OF ENGINEERING SCIENCE - CHEMICAL (MES)

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
Engineering Core Courses		
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> ¹		12
CHEN 5000:6999		
<i>Thesis</i>		
ENGR 5390	Thesis	3
ENGR 5391	Thesis	3
Total Hours		30

¹ 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.