

Chemical Engineering, M.S.

This degree program requires a minimum of 30 semester credit hours.

Students pursuing the Course Only Option must pass a comprehensive exam during their final semester. The exam will cover content from core chemical engineering coursework as well as content from elective subjects.

Thesis Option

Code	Title	Semester Credit Hours
Core Requirements		
CHEN 5303	Adv Topics in Chemical Engng	3
CHEN 5308	Transport Phenomena	3
CHEN 5309	Separation Process	3
CHEN 5333	Advanced Chemical Reactor Engr	3
CHEN 5371	Adv Chem Eng Thermodynamics	3
Thesis Requirement		
CHEN 5306	Graduate Thesis Research	3
CHEN 5306	Graduate Thesis Research	3
Approved Electives		
Elective		3
Elective		3
Elective		3
Total Semester Credit Hours		30

Research Project Option

Code	Title	Semester Credit Hours
Core Requirements		
CHEN 5303	Adv Topics in Chemical Engng	3
CHEN 5308	Transport Phenomena	3
CHEN 5309	Separation Process	3
CHEN 5333	Advanced Chemical Reactor Engr	3
CHEN 5371	Adv Chem Eng Thermodynamics	3
Research Project Requirement		
CHEN 5305	Graduate Research Project	3
Approved Electives		
CHEN Elective		3
CHEN Elective		3
CHEN Elective		3
CHEN Elective		3
Total Semester Credit Hours		30

Course Only Option

Code	Title	Semester Credit Hours
Core Requirements		
CHEN 5303	Adv Topics in Chemical Engng	3
CHEN 5308	Transport Phenomena	3
CHEN 5309	Separation Process	3

CHEN 5333	Advanced Chemical Reactor Engr	3
CHEN 5371	Adv Chem Eng Thermodynamics	3
Approved Electives		
CHEN Elective		3
CHEN Elective		3
CHEN Elective		3
Science, Technology, Engineering, Mathematics, or CHEN Elective		3
Science, Technology, Engineering, Mathematics, or CHEN Elective		3
Total Semester Credit Hours		30