

MASTER OF CHEMICAL ENGINEERING

Project option

The objective of this degree program is to prepare students for professional practice in the field of chemical engineering, and to provide a foundation in the fundamental knowledge of chemical engineering.

Candidates are required to take a total of 30 credit hours: 12 credit hours of core courses, three credit hours of a required professional course, and 15 credit hours of electives. Elective courses are to be determined in consultation with an academic adviser.

Curriculum

Code	Title	Credit Hours
Core Courses		(12)
CHE 406	Transport Phenomena	3
CHE 503	Thermodynamics	3
CHE 525	Chemical Reaction Engineering ¹	3
CHE 530 or CHE 535	Advanced Process Control Applctn Math Cheml Engrg	3
Professional Requirement		(3)
CHE 506	Entrepreneurship & IP Mgmt	3
Elective Courses		(15)
Select 15 credit hours of 400-599 courses from any of the following disciplines: CHE, BME, MMAE, ECE, CAE, ENVE, BIOL, CHEM, PHYS and MATH including:		15
Recommended		
CHE 593	Seminar in Chemical Engrng	1
(or general seminars offered in energy and/or sustainability by WISER)		
Total Credit Hours		30

¹ Note: Interested students can substitute CHE 577 for CHE 525 with adviser consent, by submission of an eForm in Graduate Degree Works, for consideration and approval before registration.