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	Advanced Process Control	3
or CHE 535	Applications of Mathematics to Chemical Engineering	
Professional Requirement		**(3)**
CHE 506	Entrepreneurship and Intellectual Property Management	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 Engineering 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.