

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 | Applctn Math Cheml Engrg | |
| Professional Requirement | | (3) |
| CHE 506 | Entrepreneurship & IP Mgmt | 3 |
| Elective Courses | | (15) |
| Select 15 credit hours | | 15 |
| Total Credit Hours | | 30 |

¹ Note: Interested students can substitute CHE 577 for CHE 525 with adviser consent.