CHEMICAL ENGINEERING, MS

Degree: Master of Science (MS)
Field of Study: Chemical Engineering

Program Overview
The Master of Science in Chemical Engineering program will allow students to push the frontiers of science and help develop the technologies that will solve engineering challenges related to energy, materials, the environment, and human health. It is offered in a variety of formats to suit different career goals. There are three curricular tracks:

- Thesis-focused, where students can work on cutting-edge research;
- Project-focused, where students can work on a real-world effort; or
- Accelerated course-focused, where students can graduate in 11 months.

Graduate Policies
For graduate policies and procedures, please review the School of Graduate Studies section of the General Bulletin.

Program Requirements
Each MS candidate must complete a minimum of 30 credit hours of graduate-level credits. These credits can be distributed in one of three ways: Thesis-Focused, Project-Focused, or Course-Focused.

Thesis-Focused

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECHE 401</td>
<td>Chemical Engineering Communications</td>
<td>1</td>
</tr>
<tr>
<td>ECHE 402</td>
<td>Chemical Engineering Communications II</td>
<td>2</td>
</tr>
<tr>
<td>Six graduate-level courses a</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>MS thesis research</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Project-Focused

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECHE 401</td>
<td>Chemical Engineering Communications</td>
<td>1</td>
</tr>
<tr>
<td>ECHE 402</td>
<td>Chemical Engineering Communications II</td>
<td>2</td>
</tr>
<tr>
<td>Eight graduate-level courses a</td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>Project and/or Special Problems b</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.

Course-Focused
The Course-Focused M.S. degree program requirements consist of the completion of 30 credit hours of approved coursework at the 400-level or higher, satisfactory completion of the culminating course-focused experience, i.e. passing the course ENGR 600 with requirements defined by the student’s curricular program, and additional requirements as specified by the program. Students should consult with their academic advisor and/or department to determine the detailed requirements within this framework.

Full-time MS students are expected to serve as a teaching assistant as part of their education. Also, at various points during their thesis research, students will be required to present seminars and reports on their progress.