MASTER OF BUSINESS ADMINISTRATION (MBA) DEGREE / MASTER OF CHEMICAL ENGINEERING (MChE) DEGREE

Program Learning Outcomes for the MBA Degree

Upon completing the MBA degree, students will be able to:

1. Demonstrate an understanding and application of the foundational frameworks and tools of all business disciplines, including accounting, finance, marketing, organizational behavior, and strategic management.
2. Develop, evaluate, and implement complex business strategies and operational solutions holistically, integrating management principles across the functional areas.
3. Function effectively in a team setting both as a leader and a contributor.

Program Learning Outcomes for the MChE Degree

Upon completing the MChE degree, students will be able to:

1. Identify, formulate, and solve complex engineering problems that require synthesis of advanced knowledge in chemical engineering fundamentals.
2. Demonstrate broad advanced knowledge in science and math, and depth in one chemical engineering sub-discipline (energy engineering, biomolecular engineering, materials science).
3. Demonstrate knowledge of business policies and practices in the current business environment in identifying, formulating, and solving engineering challenges in a problem/engineering challenge they undertake to solve as part of independent study.
4. Demonstrate effective oral and written communication skills.

Requirements for the MBA/MChE Coordinated Degree Program

Students may earn a coordinated MBA degree and a non-thesis Master of Engineering degree from the George R. Brown School of Engineering in the following fields:

- Chemical Engineering (MChE)
- Civil and Environmental Engineering (MCEE)
- Computational and Applied Mathematics (MCAAM)
- Computational Science and Engineering (MCSE)
- Computer Science (MCS)
- Materials Science and Nanoengineering (MMSNE)
- Mechanical Engineering (MME)
- Statistics (MStat)

For the coordinated MBA/Master of Engineering degrees, students must complete:

- A minimum of 69 credit hours in approved coursework*, including:
  - A minimum of 30 credit hours of graduate-level study (coursework at the 500-level or above) to satisfy the Master of Engineering degree requirements
  - A minimum of 24 credit hours in the corresponding engineering discipline
  - A minimum of 6 credit hours in elective requirements*
  - A minimum of 45 credit hours of graduate-level study (coursework at the 500-level or above) to satisfy the MBA degree requirements
  - A minimum of 45 credit hours of business coursework
  - All MBA core requirements, the global field experience, custom core requirements, and coordinated elective requirements

*Note: A maximum of 6 credit hours of the Master of Engineering degree elective requirements may be selected from business course offerings (MGMP, MGMT, or MICO) and used to fulfill the requirements for both the MBA and the Master of Engineering degrees.

Students plan their course schedules in consultation with the George R. Brown School of Engineering department in which they are enrolled and with the Jones Graduate School of Business Registrar Department. Coordinated degrees candidates can fulfill requirements for both degrees within 2 academic years.

For general university requirements, see Graduate Degrees (ga.rice.edu/graduate-students/academic-opportunities/degrees). Candidates in the MBA/Master of Engineering coordinated degrees program must complete all requirements as listed for both degrees, and must apply and be accepted in both degree programs.

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Credit Hours Required for the Coordinated Master of Engineering Degree</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours Required for the Coordinated MBA Degree</td>
<td>45</td>
</tr>
</tbody>
</table>

Coordinated MBA Degree Requirements

Students in the coordinated MBA/Master of Engineering degrees program or in the coordinated MBA/Master of Science degree from the Professional Science Master's (PSM) degrees program must complete the Core Requirements, Global Field Experience, and Custom Core Requirements of the full-time MBA degree program (ga.rice.edu/programs-study/departments-programs/business/business/business-administration-mba-full-time/#requirements) and the Coordinated MBA Elective Requirements below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Full-time MBA Core Requirements</td>
<td>25.5</td>
</tr>
<tr>
<td></td>
<td>Full-time MBA Global Field Experience Requirement</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Full-time MBA Custom Core Courses</td>
<td>3-6</td>
</tr>
</tbody>
</table>

Coordinated MBA Elective Requirements
Select an additional 12-15 credit hours from departmental (MGMP, MGMT, or MICO) course offerings at the 500-level or above to reach 45 total credit hours.  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MChE Core Requirements</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Coordinated MChE Elective Requirements</td>
<td>15</td>
</tr>
</tbody>
</table>

Select a minimum of 9 credit hours from approved departmental (CHBE) course offerings at the 500-level or above.

Select a maximum of 6 credit hours from approved course offerings (MGMP, MGMT, or MICO) from the Jones Graduate School of Business at the 500-level or above.

For general university requirements, see Graduate Degrees [ga.rice.edu/graduate-students/academic-opportunities/degrees](ga.rice.edu/graduate-students/academic-opportunities/degrees). Candidates in the MBA/MChE coordinated degree program must complete all requirements as listed above for both degrees, and must apply and be accepted in both degree programs.

### Policies for the MBA/MChE Coordinated Degrees Program

**Additional Information**

For additional information on these two degrees:

1. Please see the Jones Graduate School of Business website: [https://business.rice.edu/](https://business.rice.edu/)
2. Please see the Chemical and Biomolecular Engineering website: [https://chbe.rice.edu/](https://chbe.rice.edu/)

### Opportunities for the MBA/MChE Coordinated Degrees Program

**Additional Information**

For additional information on these two degrees: