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

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.

Program Learning Outcomes for the MBA Degree Programs

Upon completing the MBA degree programs, 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.

Requirements for the MBA/MChE Coordinated Degree Program

Students may earn this non-thesis Master of Engineering degree in the following fields:

- Bioengineering
- Chemical Engineering
- Civil and Environmental Engineering
- Computational and Applied Mathematics
- Computational Science and Engineering
- Computer Science
- Electrical Engineering
- Materials Science and Nanoengineering
- Mechanical Engineering
- Statistics

Coordinated degree candidates can fulfill requirements for both degrees in 2 academic years.

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

- A minimum of 2 academic years in residence at Rice
- A minimum of 69 semester hours in approved coursework, including:
  - A minimum of 24 credit hours in an engineering discipline
  - A minimum of 45 credit hours in business
- At minimum of 6 credit hours of the 45 credit hours in business must also meet the requirements towards the Master of Engineering degree and will be counted towards both degrees.

Students plan their course schedules in consultation with the engineering department in which they are enrolled and with the Jones Graduate School of Business Registrar Department.

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

Policies for the MBA/MChE Coordinated Degree Program

For additional information on these two degrees:

1. Please see the Business website: https://business.rice.edu/
2. Please see the Chemical and Biomolecular Engineering website: https://chbe.rice.edu/

Opportunities for the MBA/MChE Coordinated Degree Program

For additional information on these two degrees:

1. Please see the Business website: https://business.rice.edu/
2. Please see the Chemical and Biomolecular Engineering website: https://chbe.rice.edu/