MASTER OF BUSINESS ADMINISTRATION (MBA) DEGREE / MASTER OF BIOENGINEERING (MBE) DEGREE

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.

Program Learning Outcomes for the MBE Degree

Program Learning Outcomes for the Applied Bioengineering Track

Upon completing the MBE degree, students pursuing the Applied Bioengineering track requirements will be able to:

1. Apply and integrate advanced knowledge of Bioengineering topics in at least one of the following areas: Biomaterials and Drug Delivery, Biomedical Imaging and Diagnostics, Computational and Theoretical Bioengineering, Tissue Engineering and Biomechanics, or Systems and Synthetic Biology.
2. Apply knowledge from engineering and other disciplines to identify, formulate, and solve novel and complex problems that require advanced knowledge in bioengineering.
3. Select and apply quantitative analytic techniques to analyze bioengineering data.
4. Gain admission to a graduate or professional program, if students want to pursue further education.

Program Learning Outcomes for the Global Medical Innovation Track

Upon completing the MBE degree, students pursuing the Global Medical Innovation track requirements will be able to:

1. Apply knowledge of Bioengineering topics in at least one of the following areas: Biomaterials and Drug Delivery, Biomedical Imaging and Diagnostics, Computational and Theoretical Bioengineering, Tissue Engineering and Biomechanics, or Systems and Synthetic Biology.
2. Develop effective medical products, from concept to commercialization, within a team environment.
3. Comprehend and navigate the global medical technology industry by leveraging an internship experience.
4. Gain employment or advance professionally in a technical field related to bioengineering.

Requirements for the MBA/MBE 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.

Policies for the MBA/MBE Coordinated Degree Program

For additional information on these two degrees:

1. Please see the Business website: https://business.rice.edu/
2. Please see the Bioengineering website: http://bioengineering.rice.edu/

Opportunities for the MBA/MBE Coordinated Degree Program

For additional information on these two degrees:

1. Please see the Business website: https://business.rice.edu/
2. Please see the Bioengineering website: http://bioengineering.rice.edu/