Doctor of Philosophy (PhD) Degree in the Field of Business and a Major Concentration in Operations Management

Program Learning Outcomes for the PhD Degree in the Field of Business and a Major Concentration in Operations Management

Upon completing the PhD degree in the field of Business and a major concentration in Operations Management, students will be able to:

1. Understand advanced Organizational Management concepts, theories, principles, and methods to advance the systematic and scientific study of the operations of business, government, and nonprofit organizations that manufacture products and provide services that contribute to the well being of society.
2. Identify and explain questions and problems existing within the field of Operations Management and propose research to address them.
3. Execute original research in the field of Operations Management around topics that arise in a varied set of contexts, such as manufacturing, supply chains, energy, healthcare, and technology management, and related processes, including strategic design, tactical planning, and operational execution.
4. Communicate effectively, orally and in writing, research conducted in the field of Operations Management.

Requirements for the PhD Degree in the Field of Business and a Major Concentration in Operations Management

PhD Degree Program

For general university requirements, please see Doctoral Degrees (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-doctoral-degrees/). For additional requirements, regulations, and procedures for all graduate programs, please see All Graduate Students (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/). For program details, see the PhD Program Guidebook distributed by the Jones Graduate School of Business. Admissions applications should include scores on the Graduate Management Admissions Test (GMAT) or the Graduate Record Examination (GRE). Full financial support will be provided to admitted doctoral students. Candidates for the PhD degree spend at least two years in full-time coursework and at least two years writing the thesis. Four to five years is a reasonable goal for completing the program. Students pursuing the PhD degree in Business must:

- Complete all Rice coursework with a minimum overall GPA of 2.67 or higher.
- Complete all program coursework with a minimum GPA of 3.00 and a minimum grade of B (3.00 grade points) in each required course.
- Complete all of the course requirements in their selected major concentration.
- Complete and defend orally a doctoral thesis, setting forth in publishable form, the results of original research.

The requirements listed in the General Announcements (GA) satisfy the minimum requirements for this degree program. In certain instances, courses (or requirements) not officially listed here may be substituted upon approval of the program's academic advisor, or where applicable, the department or program's Director of Graduate Studies. Course substitutions or any exceptions to the stated official curricular requirements must be approved by the Office of Graduate and Postdoctoral Studies (https://graduate.rice.edu/). Students and their academic advisors should identify and clearly document the courses to be taken.

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSI</td>
<td>MARKOV DECISION PROCESSES IN OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>BUSI</td>
<td>GAME THEORY IN OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>BUSI</td>
<td>STOCHASTIC MODELS IN OPERATIONS MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>BUSI</td>
<td>PHD RESEARCH</td>
<td>1-12</td>
</tr>
<tr>
<td>CMOR</td>
<td>LINEAR AND INTEGER PROGRAMMING</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>MICROECONOMICS I</td>
<td>3</td>
</tr>
<tr>
<td>ECON</td>
<td>MICROECONOMICS II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Credit Hours Required for the PhD Degree in the Field of Business and a Major Concentration in Operations Management: 90

Major Concentration: Operations Management

Students pursuing the major concentration in Operations Management must:

- Complete a minimum of 90 credit hours as listed below to satisfy the PhD degree and the major concentration requirements.
- Complete coursework approved by the area faculty advisor; these courses will be a combination of Core Requirements and Elective Requirements.
- Complete a minimum of 12 credit hours of approved graduate-level coursework per semester, in the first two years in the program.
- Complete research study and paper requirements during the first two years in the program.
- Successfully pass a comprehensive exam.
- Receive teaching experience as a teaching assistant (and as an instructor if possible).
- Complete and defend thesis within a maximum of 7 years from the time of matriculation.

Code | Title                                           | Credit Hours |
-----|------------------------------------------------|--------------|
BUSI  | MARKOV DECISION PROCESSES IN OPERATIONS MANAGEMENT | 3            |
BUSI  | GAME THEORY IN OPERATIONS MANAGEMENT           | 3            |
BUSI  | STOCHASTIC MODELS IN OPERATIONS MANAGEMENT     | 3            |
BUSI  | PHD RESEARCH                                   | 1-12         |
CMOR  | LINEAR AND INTEGER PROGRAMMING                 | 3            |
ECON  | MICROECONOMICS I                               | 3            |
ECON  | MICROECONOMICS II                              | 5            |

2023-2024 General Announcements PDF Generated 03/13/24
Policies for the PhD Degree in the field of Business

The General Announcements (GA) is the official Rice curriculum. As an additional resource for students, the Jones Graduate School of Business publishes a graduate program handbook, which can be found here: https://gradhandbooks.rice.edu/Business_Phd_Graduate_Handbook.pdf

Transfer Credit

For Rice University's policy regarding transfer credit, see Transfer Credit (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/#transfer). Some departments and programs have additional restrictions on transfer credit. Students are encouraged to meet with their academic program's advisor when considering transfer credit possibilities.

Program Transfer Credit Guidelines

Students pursing the PhD degree in the field of Business should be aware of the following program-specific transfer credit guidelines:

- Requests for transfer credit will be considered by the program director on an individual case-by-case basis.

Withdrawal Policy

A Jones Graduate School of Business student, participating in any offered program, may voluntarily withdraw from school at any time. Upon withdrawal, Rice University applies a sliding scale to tuition, which is noted in the university's Academic Calendar posted on the Rice Office of the Registrar website (https://registrar.rice.edu/calendars/).

Additional Information

For additional information, please see the Jones Graduate School of Business website: https://business.rice.edu/

Opportunities for the PhD Degree in the field of Business

Financial Aid

Jones Graduate School of Business scholarships are awarded at the point of admission and are based on the merit of the application. Financial assistance is generally awarded one academic year at a time. Continuation of assistance depends on Satisfactory Academic Progress (SAP) in accordance with Academic and Professional Standards of performance, professional behavior, and is subject to the availability of funds. Academic or disciplinary probation, suspension, or general failure to maintain academic pace will result in the removal of all forms of financial assistance (i.e. scholarship, employment, Federal/State student loans, etc.). Students have the right to appeal the suspension. All appeals will be reviewed by a committee.

Additional Information

For additional information, please see the Jones Graduate School of Business website: https://business.rice.edu/