PhD in Industrial Engineering

Admission Contact Information
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Columbia, MO 65211
(573) 882-2691

About the Doctoral Degree
Programs are individually tailored to meet students’ objectives and to culminate in an original research dissertation. The PhD builds upon the graduate MS and fundamental BS programmatic areas. The current focus areas are Data Analytics and Operations Research, Manufacturing and Production Systems, Sustainable Systems Engineering, Service and Supply Chain Systems, and Healthcare and Human-centered Systems. Fundamental IE knowledge in each is expected. The basic goals of the PhD program are to provide students with a solid understanding of the theoretical bases for the latest tools and techniques of systems analysis and design, an extensive experience in applying these analyses and design tools and techniques, and research experience in the development of new tools or applications of existing techniques to design or analyze problems.

Application Deadlines
Applications accepted throughout the year.
Fall application deadlines: March 1 (Priority deadline: January 1)
Spring application deadline: September 15

Minimum Criteria to be Considered for Admission

- Minimum GPA: 3.5/4.0
- Demonstrated research experience
- Compatible research interests or capabilities with a member of the faculty
- Minimum OVERALL IELTS scores: 6.5; or Minimum TOEFL scores:
  
<table>
<thead>
<tr>
<th>Internet-based test (iBT)</th>
<th>Paper-based test (PBT)</th>
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<tbody>
<tr>
<td>80</td>
<td>550</td>
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- Minimum GRE scores

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<th>When did you take the GRE?</th>
<th>Verbal</th>
<th>Quantitative</th>
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<td>Prior to August 1, 2011</td>
<td>350</td>
<td>700</td>
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<tr>
<td>On or After August 1, 2011</td>
<td>143</td>
<td>155</td>
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Note: Only highly qualified students are accepted for advisement in the PhD program. The faculty looks for excellence in undergraduate and graduate work, high GRE scores, research experience, and strong indications of research potential.

Notification
This department does not use “rolling admission.” Applicants will be notified within a month after the application deadline.

Required Application Materials
To the Graduate School (https://applygrad.missouri.edu/apply):
- All required Graduate School documents
To the IMSE Graduate Program:
- 3 letters of recommendation
- Writing sample demonstrating research experience
- Statement of Purpose
- Curriculum Vitae (CV)
- GRE scores

TA/RA Hiring
This academic department does not have any function of financial Aid. Rather, IMSE hires TA/RA automatically based on the department needs. No separate application or contacts are necessary; all top ranked applicants will be considered.

Degree Completion Requirements
The granting of a PhD requires completion of five major requirements:
1. A qualifying examination (D1 form).
2. A course of study (Study Plan, D2 form).
3. Comprehensive examination, and
4. Acceptance of dissertation proposal (D3 form)
5. Final defense and submission of completed dissertation (D4 form).