

Ph.D. in ISEM (Information Systems Engineering & Management) at a Glance

The Ph.D. in ISEM emphasizes a strong foundation in information systems engineering, innovative research, and applications of research. Doctoral candidates are required to complete six doctoral-level courses (700-level, 18 semester hours); six semester hours in a formal research seminar; and 12 semester hours of dissertation work. A total of 72 semester hours of coursework and research is required beyond the baccalaureate degree, including 36 semester hours at the master's level. A conceptual overview of the Ph.D. Program is shown in Figure1.

The prerequisite to PhD admission, is an MS in ISEM, as displayed in Figure1. The MS program in ISEM consists of 36 credit hours (12 courses) that are subdivided into the following:

- Five core required courses that provide a mixture of technical and management topics
- Five electives that can be chosen from a large pool of courses in diverse topic areas. The students may select five electives from any of these topic areas to build their own specialization or choose to specialize in predetermined topic areas
- Two capstone courses that allow the students to synthesize their knowledge into an experiential project or a research thesis.

- Write an essay (in English) that clearly indicates the motivation for pursuing doctorate studies and the topics of primary research interest to the candidate.
- Submit final official transcript(s) from the college or university at which the highest degree earned was conferred.
- Submission of an official record of Graduate Record Examination (GRE) scores.
- Provide two letters of recommendation from academic or industry professionals.
- Submit a resume or by email to Admissions@HarrisburgU.edu.
- Interview with Faculty Admission Committee.

All Applicants to the ISEM Ph.D. Program must have an MS in ISEM (or equivalent) with knowledge equivalent to ISEM503 (Artificial Intelligence Principles and Applications), ISEM525 (Business Process Modeling and Workflow), and Mgmt531 (Business Entrepreneurship Principles) and a research thesis or a published research paper relevant to the MS. Interested students may enroll in the MS ISEM program to satisfy these requirements before applying to the ISEM Ph.D. program. Priority consideration will be given to those applicants with a GRE score in the 80th percentile or above and a GPA of 3.5 or above.

Preparing for Admission in the Ph.D. Program in ISEM

Admission in the ISEM Ph.D Program is very competitive due to limited seats in the program. Before applying to the Program, you must make sure that you:

- Maintain a high GPA in your ISEM courses (minimum is 3.5)
- Take the following required ISEM courses (ISEM500, MGMT510, ISEM540 (or equivalent for PMGT students) and ISEM530 (or equivalent for PMGT students).
- Take the following ISEM elective courses (ISEM503, ISEM525 and MGMT531).
- Select a research thesis in your Capstone. You may be asked to include your thesis in the admission materials
- Improve your written communication skills (your TOEFL score must be high)
- Decide if you want to pursue the Ph.D part-time or fulltime. A few scholarships are offered to exceptionally qualified fulltime students. If you are pursuing a part-time Ph.D. then you must make sure that your work is related to your research topic (i.e., your work should complement and enrich your Ph.D. research).

Ph.D in ISEM at a Glance

- . Focus on Next Generation Enterprises (NGEs)
- . 36 Credits Beyond MS in ISEM
- . External deliverables such as Conference and journal level publications
- . Fulltime and Part-time Studies
- . The students enter the program with an MS in ISEM, or equivalent.
- . Rigorous exams as checkpoints after Admission
- . The qualifying and comprehensive exams check the progress of a student and result in an exit from the program.

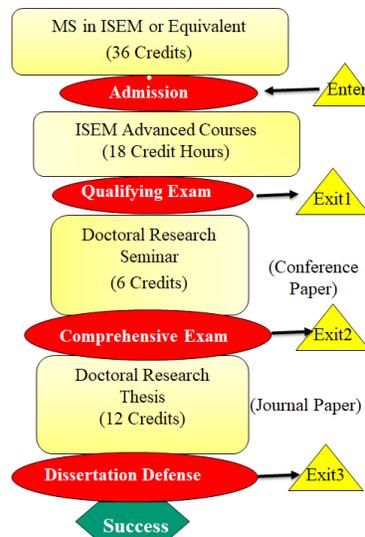


Figure 1: Highlights of Doctoral Studies in ISEM

ISEM Doctorate Admission Requirements

A faculty admission committee will evaluate each applicant's candidacy once all admissions materials have been received. The doctorate admission process requires the candidate to:

- Complete the application online at www.HarrisburgU.edu/Apply.