Instructional Design, Development and Evaluation  
Doctorate of Philosophy (PhD)

The Syracuse University-Instructional Design, Development and Evaluation Department (IDD&E) offers this doctoral (PhD) degree program to help students develop scholarly inquiry skills and practices to conduct and consume research investigating topics related to learning and performance, instructional design, development, implementation, evaluation, and management, instructional and educational technologies, and other related topics. Doctoral students develop depth of knowledge of the theories and practices used in the instructional sciences and the competencies to conduct, report, and interpret research. The curriculum includes courses that blend soft technologies (e.g., thinking models and theories, research and evaluation methodologies and processes, interpersonal communications, and software) and hard technologies. Through practical and research-oriented projects and experiences and an active residency program students develop into scholars who can conduct, publish, and consume research in a variety of instructional and professional settings.

Students who apply to the IDD&E Doctorate are expected to have already earned a Master’s degree in the instructional sciences or a closely related field. Admissions also requires a position paper that describes why you are interested in IDD&E, why you are pursuing a doctorate credential, and what you intend to do upon graduation. Successful applicants demonstrate that they are focused in the instructional sciences, have an area of inquiry related to our faculty, and are pursuing either academic, research institution, or high level leadership careers requiring competencies to conduct or consume research and scholarship. Please review our website (idde.syr.edu) for additional information on admissions (e.g., other requirements, due dates).

The doctoral program of study is composed of course work, community building with professionals in our field, and residency activities where you engage in research and other scholarly activities. Generally, pursuing a doctorate requires full time study to gain depth of knowledge and research methods. Our goal is to help our doctoral students become scholarly. This takes focus, effort, time, and commitment from both IDD&E faculty and doctoral students. And, it pays off. Our graduates have earned their ways into highly sought after academic and research positions all over the world; they have grown into very high level leadership positions in business and industry, military and government, higher education, and other contexts, and many are world class authors, hold elected positions in major associations, and consult on national and international initiatives. Our rigorous preparation strives to prepare graduates for these types of positions.

Elements of a Doctorate Program of Study

1. A minimum of ninety (90) credit hours beyond a bachelors (including a Master’s degree)
   • 51 Instructional Sciences depth/elective credits (minimum, with 50% from Syracuse University)
   • 30 research methodology and data analysis credits (minimum)
   • 9 dissertation credits (minimum)
2. Portfolio Review/Exam (after 45-66 credits of coursework)
3. Research apprenticeship (based on future dissertation work)
4. Residency activities (e.g., presentations, publications, service work, networking, etc.)
5. Written qualifying exams including writing and defending a dissertation proposal
6. Conducting and defending dissertation research

The doctoral process does have associated time lines for completion. It is expected that students will complete all required course work and the research apprenticeship within 4 years. Students then have up to one additional year to complete the qualifying exam process, including defending and passing the dissertation proposal. Some do this in their 4th year. Students then have up to 5 years to complete and defend their dissertation. Most students will complete coursework, research apprenticeship, and qualifying exams in 4, or less. Completion rates for dissertation defense varies by study type and student focus. See more information about the entire doctoral study process in the IDD&E Doctoral Handbook on our website at idde.syr.edu
IDD&E doctoral students generally choose to pursue one of two career paths. The Academic Research focus prepares students for tenure-line faculty positions in research universities. Special emphasis is given to in-depth methodological training, extensive research experience, advanced expertise in a focused area of inquiry, participation in academic and professional research communities, and the development of teaching skills. The Professional Studies focus prepares graduates for other settings by emphasizing strong methodological training, extensive experience with applied projects, the flexibility to work in teams on a broad range of problems, participation in applied professional communities, and the development of management and leadership skills. IDD&E has high expectations for all its PhD graduates, whether Academic Research or Professional Studies focused, thus the research preparation is very similar.

The following courses constitute the core curriculum for the IDD&E PhD. Other courses are chosen (or transfers from other graduate programs) as electives with an advisor to make sure all courses meet degree requirements.

<table>
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<tr>
<th>Course Number and Name</th>
<th>Required ID Depth Core (plus 1 additional ID depth course &amp; a SEMINAR or LAB each semester)</th>
<th>Required Research Core**</th>
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<tr>
<td>IDE552 Digital media production</td>
<td>IDE830 Doctoral Seminar in design and development</td>
<td>EDU655 Educational measurement</td>
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<tr>
<td>IDE611 Technologies for instructional settings</td>
<td>IDE850 Doctoral Seminar in Literature Review (study depth of ID topic)</td>
<td>IDE742 Introduction to survey research</td>
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<td>IDE621 Principles of instruction and learning</td>
<td>IDE756 Designing online instruction</td>
<td>IDE841 Inquiry and research design</td>
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<td>IDE631 Instructional design and development I</td>
<td>IDE764 Planned change in innovation</td>
<td>IDE843 Dissertation research seminar</td>
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<td>IDE632 Instructional design and development II</td>
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<td>EDU603 Introduction to qualitative research methods (or equivalent)</td>
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<tr>
<td>IDE641 Evaluation in educational settings</td>
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<td>EDU810 Advanced qualitative methods I (or equivalent)</td>
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<tr>
<td>IDE712 Analysis of human performance technology</td>
<td></td>
<td>EDU815 Advanced qualitative methods II (or equivalent)</td>
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<td>IDE761 Strategies in educational project management</td>
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<td>EDU647 Statistical thinking and applications (or equivalent)</td>
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<td>IDE737 Advanced instructional design (required for phd)</td>
<td>Plus … IDE 736 – OR - IDE 831 – OR - IDE 771</td>
<td>EDU791 Advanced quantitative methods I (or equivalent)</td>
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<tr>
<td>IDE772 Educational technologies in international settings (required for phd)</td>
<td></td>
<td>EDU737 Quantitative research design (or equivalent)</td>
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You should have completed all or a majority of these courses during your master’s degree preparation to be considered for an IDD&E doctoral course. Upon acceptance into the program you will meet with your advisor to determine whether you will need to take any of these courses to make up for any deficiency in your master’s preparation. Typically, doctoral students may take up to 3 of these courses.

* Students may be accepted in the doctoral program with partial coverage of these courses.

** You must complete 1 introductory and 1 advanced course in BOTH qualitative and quantitative research methods plus 2 elective research courses to support dissertation study. You should consult with your advisor to choose the best courses for your research and scholarly interests.