Ph.D. in Learning & Technology

**General Requirements** - 4 credits
EPY 701: Proseminar in Educational Psychology (1 cr.)
CIT 778: Instructional Design (3 cr.)

**Research Methods** - 15 credits
Required:
EPY 718: Qualitative Research Methodologies (3 cr.)
EPY 722: Inferential Statistics and Experimental Design (3 cr.)
EPY 723: Human Measurement (3 cr.)
EPY 730: Advanced Research Methods (3 cr.)

Select one to complete core:
EPY 716: Evaluation Research Methods (3 cr.)
EPY 719: Advanced Qualitative Research (3 cr.)
EPY 724: Human Measurement II (3 cr.)
EPY 787: Individual Research (3 cr.)
EPY 790: Research Design in Education (3 cr.)
EPY 733: Multivariate Statistics (3 cr.)

**Learning Core** - 9 credits
EPY 757: Theory/Philosophy of Educational Psychology (3 cr.)
EPY 767: Human Learning and Cognition (3 cr.)
EPY 777: Cognitive Development (3 cr.)

**Technology Core** - 9 credits
CIT 770: Advanced Seminar in Educational Computing and Technology Research (3 cr.)
CIT 780: Multimedia Learning Studio (3 cr. x 2 terms)

**Learning and/or Technology Electives**- 18 credits
Illustrative learning elective courses include but are not limited to:
EPY 768: Problem Solving, Reasoning, and Expertise (3 cr.)
EPY 770: Cognition and Instruction (3 cr.)
EPY 787: Independent Research (1-3 cr.)
EPY 789: Seminar in Learning and Cognition (3 cr.)
EPY 791: Special Topics in Educational Psychology (3 cr.)
PSY 703: Cognitive Psychology (3 cr.)

Illustrative technology elective courses include but are not limited to:
CIT 620: Integrating Technology Teaching and Learning (3 cr.)
CIT 643: Instructional Design of Educational Software (3 cr.)
CIT 647: Foundations of Online Learning (3 cr.)
CIT 653: Development of Educational Software (3 cr.)
CIT 663: Educational Multimedia Production (3 cr.)
CIT 667: Computer-Based Technology and Educational Change (3 cr.)
CIT 668: Issues and Methods for Online Learning (3 cr.)
CIT 669: Advanced Web Design and Development for Educators (3 cr.)
CIT 772: Technology and Teacher Education (3 cr.)
CIT 782: Distance Education Issues and Trends (3 cr.)

**Doctoral Dissertation** - 12 credits
EPY 799: Dissertation Research (12 cr.)