



BOSTON COLLEGE

Lynch School of Education

Master of Arts in Learning Engineering

Boston College's program prepares students to design innovative learning experiences that are informed by the learning sciences and incorporate cutting-edge technologies. This first-to-market program is experiential and interdisciplinary, leveraging the expertise of faculty from across the Lynch School of Education.



Program faculty include: **Nathaniel Brown**, associate research professor; **Janet Kolodner**, visiting professor and special projects; **Elida Laski**, associate professor

Throughout the program, students complete design challenges, shadow working professionals, take field trips to technology incubators and collaboratories, and intern with local organizations. They graduate with a dynamic portfolio that showcases the depth and breadth of their design work and demonstrates their capabilities in learner-centered design, leadership, and forward-thinking imagination.

PARTNERSHIP

Boston College is a partner in the Industry Connections Industry Consortium on Learning Engineering (ICICLE), an open forum and community-driven platform for defining and supporting the discipline.

WWW.BC.EDU/LEARNINGENGINEERING

WHAT IS LEARNING ENGINEERING?

Learning engineering is the systematic application of principles and methods from the learning sciences to support and better understand learners and learning. The discipline leverages human-centered design approaches to iteratively develop and improve design solutions that address specific learning needs and opportunities—often using technology.

Learning engineers deftly combine knowledge, tools, and techniques from a variety of technical, pedagogical, empirical, and design-based disciplines while collaborating with subject-matter experts, software engineers, and others.

PROGRAM HIGHLIGHTS

The program is built around a well-facilitated and increasingly challenging experiential core. Three-credit courses and one-credit modules emphasize the knowledge and skills needed to develop design and leadership capabilities and improve understanding of learning.

Our program is designed as a cognitive apprenticeship in which students participate as active members of a knowledge-building community with teachers, mentors, and peers.

Students benefit from:

- Hands-on learning through design studios every semester, opportunities to shadow, and internships with local organizations.
- Classes and modules designed specifically so that students use what they learn in classes to guide the decisions they make during studio projects.
- Reflection. Students will continuously reflect on their experiences and the design challenges they face, using those reflections to develop new insights.
- A focus on designing for social justice and equity. Across classes, design studio experiences, and reflective activities, students will account for the full range of social, cultural, affective, and cognitive influences on access and learning.
- Vocational discernment and career readiness. Students will have opportunities to identify what they enjoy doing as designers of learning experiences, their personal values and aspirations, what their strengths are, and concrete steps to achieve their goals.

ABOUT THE PROGRAM

- 30 CREDITS
- 12 MONTHS
- FALL SEMESTER ADMISSION
- ON CAMPUS
- FULL TIME

CAREERS

Learning engineers can explore a variety of career options, including working with:

- Schools, districts, colleges, and universities
- Museums, zoos, aquariums, and national parks
- Businesses ranging from startups to large corporations
- Nonprofits and foundations
- Social service and community agencies

With an M.A. in Learning Engineering from Boston College, students will be prepared to design:

- The next generation of learning technologies
- Online, hybrid, makerspace, and active-learning environments
- Technology-rich curricula, pedagogy, and assessment
- Employee training and consumer education programs
- After-school and community programs

APPLY NOW

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