# LEARNING, DESIGN, AND TECHNOLOGY

## Learning Outcomes

### Master's Degrees

1. Know/Think: Graduates will demonstrate practical knowledge of the core theories and best practices in the field of learning, design, & technology (LDT).
2. Apply/Create: Graduates will be able to design and develop educational resources in accordance with the core theories and best practices in LDT.
3. Apply/Create: Graduates will demonstrate the ability to analyze and integrate teaching/learning technologies to unique educational contexts in accordance with the core theories and best practices in LDT.
4. Communicate/Think: Graduates will be able to convey ideas or arguments in clear, concise, well-organized papers, proposals, and portfolios as well as in formal, oral presentations.
5. Professional practice: Graduates will demonstrate knowledge of the professional standards, and values, integrity, and ethics in the LDT field and at Penn State through written or oral products, and professional interactions with colleagues.

### Doctor of Philosophy (Ph.D.)

1. Know/Think: Graduates will demonstrate in-depth knowledge of the core theories and research methods in the field of learning, design, & technology (LDT). The core demonstration will include the comprehension of theories of learning sciences and LDT to conceptualize problems of educational practice.
2. Apply/Create: Graduates will be able to formulate and execute an independent research project that significantly furthers knowledge and theories in LDT.
3. Apply/Create: Graduates will demonstrate the ability to apply theories to inform/develop unique designs and solutions to educational problems.
4. Communicate/Think: Graduates will be able to convey ideas or arguments in clear, concise, well-organized papers and proposals as well as in formal, oral presentations.
5. Professional practice: Graduates will demonstrate knowledge of the professional standards, and values, integrity, and ethics in the field and at Penn State through written and oral products, and professional interactions with colleagues.

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