Ed.S. In Instructional Technology –Technology Applications

Course Descriptions for Ed.S. Technology Applications Concentration (the recommended course sequence for 2 courses per semester, which is what is required for most financial aid is indicated in parenthesis after the course description)

ITED 8100 Theories, Models, and Perspectives of Instructional Technology.
Model and facilitate the use of theoretical perspectives concerning digital citizenship, change, communication, diversity, learning, and instruction for the legal and ethical integration of instructional technology in learning environments. **(Semester 1, Fall and Spring only)**

ITED 8200 Instructional Design for Training and Education.
Applications of systematic design principles to address an identified need in a training or learning context. Addresses learner characteristics, assessment (diagnostic, formative, summative), message design, and instructional strategies to support and enhance higher order thinking skills. **(Semester 1, Fall and Spring only)**

ITED 8300 Technology Tools for Training and Education.
Application of various technologies and products for instructional development. Includes in-depth use of computer-related technology tools to design and create effective instructional materials and assist other educators in similar tasks that use technology to improve teaching, learning, and assessment. **(Semester 2, Fall and Spring only)**

ITED 8400 Technology for Learning Environments: Evaluation, Selection, Management, and Collaboration.
Practical experiences as evaluators and consumers of educational technology based on research and review of commercial, educational, and other authoritative sources. Includes facilitation of assistive/adaptive technology, troubleshooting of software and hardware, resource accuracy, and suitability of technology tools for learning environments. **(First Summer Semester-only offered summers)**

ITED 8500 Leadership in Instructional Technology.
The study and implementation of theories and techniques for working with individuals and groups to develop a shared vision for the use of technology in learning environments, to design and communicate a strategic plan, and to demonstrate leadership toward securing resources needed to implement the plan. **(First Summer Semester-only offered summers)**

ITED 8600 Professional Development and Program Evaluation.
The study and implementation of needs assessment and program evaluation to inform the content and delivery of technology-based professional learning programs. **(Semester 2, Fall and Spring only)**

ITED 8960 Discipline-based Best Practices Literature.
Analysis of discipline-specific literature and synthesis of research through application of the conventions of academic writing using the Publication Manual of the American Psychological Association. **(Semester 3, Fall and Spring only)**

ITED 8970 Action Research Methods and Planning. Prerequisite ITED 8960.
Application of the ethics and principles of action research. Includes design of technology-enhanced learning experiences and planning for subsequent evaluation to improve instruction and learning. **(Semester 3, Fall and Spring only)**

ITED 8999 Action Research Project. Implement research-based interventions to improve instructional practice and maximize learning. Use of digital tools and resources to systematically collect and analyze data, interpret results, and communicate findings. Final phase of the Education Specialist field experience. May be repeated. **(Final Semester, Fall and Spring only – at which time an elective would also be taken**

Total Number of Program Hours = 27

Sequence of courses for Fall starts	Sequence of courses for Spring starts
Semester 1	**Semester 1**
EDUC 5999	EDUC 5999
ITED 8100	ITED 8100
ITED 8200	ITED 8200
Semester 2	**Semester 2**
ITED 8300	ITED 8400
ITED 8600	ITED 8500
Semester 3	**Semester 3**
ITED 8400	ITED 8300
ITED 8500	ITED 8600
Semester 4	**Semester 4**
ITED 8960	ITED 8960
ITED 8970	ITED 8970
Semester 5	**Semester 5**
ITED 8999	ITED 8999
Guided Elective	Guided Elective