

Research Master of Science (MS) Program Planning Sheet

Department of Instructional Technology & Learning Sciences

Program Requirements: The **MS-Plan A** degree program requires a minimum of **40** successfully completed credits. Students have 6 calendar years to complete all degree requirements.

O = Online only, F = Face to Face only, B = Both Face to Face and Online options, S = Synchronous Broadcast, X = Check Catalog
Check the ITLS website for the courses available each semester. [<http://itls.usu.edu/courses/schedule>]

Orientation – 1 credit required

			Credits	Fall	Spring	Summer
ITLS	6300	ITLS Orientation	1	O	O	O

Design Strand – 6 credits required

ITLS	6520	Instructional Design I	3		B	
ITLS	6535	Design Thinking	3	B		

Analysis & Theory Strand – 9 credits required

ITLS	6540	Learning Theory	3	B		
EDUC	6040	Applied Research Methods	3	X	X	X
EDUC	6050	Applied Statistical Analysis	3	X	X	X
ITLS	6510	Evaluation and Research	3		O	
ITLS	6570	Performance Systems	3		O	

Complete the online responsible conduct of research training <https://research.usu.edu/compliance/responsible-conduct-of-research> with the “social and behavioral research” focus

Culminating Experience – 6 credits required (minimum)

ITLS	6970	Thesis	1-9	ARR	ARR	ARR
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General Elective Course Options – 18 credits required

			Credits	Fall	Spring	Summer
ITLS	5500	Innovative Integration of Technology in Teaching	3	O	O	O
ITLS	6700	Cognitive Load Theory	3	F^		
ITLS	6700	Motivation Theory	3	F^		
ITLS	6205	Instruction Media Production	3		O	O
ITLS	6210	Virtual Environment Development	3	O		O^

ITLS	6215	Video and Audio Design and Production I	3	O		O
ITLS	6220	Video and Audio Design and Production II	3		O	
ITLS	6230	Graphic Design and Production I	3		O	O
ITLS	6240	Graphic Design and Production II	3	O		
ITLS	6245	eLearning Authoring Tools	3		O	O^
ILTS	6250	Artificial Intelligence for Learning and Design	3			O
ITLS	6260	Mobile Design and Development for Learning	3	O		
ITLS	6265	Internet Development	3	B	B	O
ITLS	6270	Digital Making and Learning	3		F	
ITLS	6320	Writing for Design	3		O	O
ITLS	6390	Transformative Uses of Technology for Learning	3			O
ITLS	6530	Instructional Design II	3	B		
ITLS	6545	Advanced Learning Theory *	3			
ITLS	6560	Project and Organizational Management	3		B	
ITLS	6570	Performance Systems	3			O
ITLS	6700	Special Topics *	1-3			
ITLS	6720	Adult Education Philosophy, Theory, and Practice	3			O
ITLS	6730	Games and Learning	3	O		
ITLS	6760	Grant and Proposal Writing	3	O		
ITLS	6870	Current Issues Seminar *	1-3			
ITLS	6900	Independent Study	1-6	ARR	ARR	ARR
ITLS	6910	Independent Research	1-6	B	B	B
For EDUC courses, please note some courses have prerequisites						
EDUC	6010	Intro to Program Evaluation: Models & Guidelines	3	X		
EDUC	6800	Mixed Methods Research	3		X	
EDUC	7610	Research Design & Analysis II	3	X		X
EDUC	7650	Longitudinal Research Design & Analysis	3		X	
EDUC	7670	Literature Reviews in Education & Psychology	2		X	
Other courses approved by your Chairperson/Advisor						

^ Taught alternating years

* Taught periodically, check schedule for availability and delivery format