

K-12 DISTANCE EDUCATOR ENDORSEMENT

DAKOTA STATE UNIVERSITY

Endorsement coursework requirements must include courses from each Strand totaling 18 or more credits

Strand 1	Facilitate and inspire student learning and creativity through integrating technology applications including technology ethics and facilitating experiences that advance student learning in face-to-face and virtual environments
Strand 2	Design, develop, and evaluate authentic learning using contemporary tools
Strand 3	Develop knowledge, skills, and attitudes identified in the ISTE Student Standards
Strand 4	Model digital-age work and learning through the integration of technology skills
Strand 5	Exhibit knowledge, skills, and processes of an innovative professional in a global and digital society
Strand 6	Promote and model digital citizenship and responsibility by understanding local and global societal issues and responsibilities of a digital culture and exhibiting legal and ethical behavior in professional practices
Strand 7	Engage in professional growth and leadership to improve professional practice by the effective use of digital tools and resources and model lifelong learning and leadership by promoting and demonstrating technology
Strand 8	Demonstrate knowledge of subject matter, teaching and learning, and technology to facilitate experiences that advance student learning, creativity, and innovation in virtual environments
Strand 9	Study in methods of designing, developing, and evaluating authentic learning experiences and assessments by incorporating online tools (asynchronous and synchronous) and resources to maximize learning and to help students develop the knowledge, skills, and attitudes needed to be a successful online learner
Strand 10	Successful completion as a learner of at least one three-hour online course

Courses Meeting the Requirement	CET 720 (3 Credits)	LT 731 (3 Credits)	LT 712 (3 Credits)	LT 785 (3 Credits)	LT 716 (3 Credits)	LT 741 (3 Credits)	CET 756 (2 Credits)	CET 751 (3 Credits)
Strand 1	X	X					X	
Strand 2	X		X					
Strand 3	X			X			X	
Strand 4		X						
Strand 5	X			X	X			
Strand 6				X		X		
Strand 7	X							
Strand 8			X					
Strand 9						X		
Strand 10	X	X	X	X	X	X	X	X

Total Required Credits through University: 18

Course Number	Course Name	University Course Description	Method	Sessions Offered	Total Credits
CET 720	Leading Evaluation and Change in the Educational Technology Environment	Methods and principles for evaluating instructional technology plans, products and participants during each stage of the instructional systems development process. The course applies change theory as a basis for understanding the adoption and use of educational technology tools strategies and procedures.	Online	Spring	3 credits
CET 751	Technology Hardware and Networking Essentials	A study of technology hardware and networks used in the educational setting. Topics include hardware maintenance purchase and upgrade, network wiring, topologies, planning, installation, and maintenance of computer networks. This course requires a 6-day summer on-campus residency.	Online On-Campus	Summer	3 credits
CET 756	Introduction to Instructional Programming	Computer programming to promote human/computer interaction, especially as it applies to students and education. Emphasis on applying fundamental programming concepts and proper programming techniques to instruction.	Online	Fall	2 credits

Course Number	Course Name	University Course Description	Method	Sessions Offered	Total Credits
LT 712	Instructional Technology for Active Learning	This course provides an overview of the application of teaching and learning theories for diverse audiences. The focus will be on creating learning environments that are active and learner centered. This course will emphasize individual and technological approaches to the acquisition, processing, and application of information from a variety of sources. Topics for discussion include problem-based and inquiry-guided learning, curriculum development, on-line learning, constructivist principles, web-based instruction, distance education, and best practices in technology integration.	Online	Summer	3 credits
LT 716	Systematic Design of Instruction	Students will learn concepts and tools for applying systems theory to instructional design, including needs, instructional, learner, and context analyses, objectives, assessment, strategy, development, and evaluation. Addresses client learning needs in various organizational settings: business, industry, government, health care, education, and not-for-profit.	Online	Fall	3 credits
LT 731	Multimedia Production	Students learn principles of visual design, use of sound and color, and hands-on production of text and animated resources for use in educational and training materials for the development of interactive multimedia and hypermedia lessons and presentations. This course will require a summer one-week campus residency.	Online	Spring Summer	3 credits
LT 741	Introduction to Distance Education	This course is an analysis of the history, philosophy, design, and evolution of distance learning systems. Distance learning is a worldwide concept and course uses examples from many countries to emphasize institutional, program and course design methods and approaches. The course assumes a system perspective in the analysis of distance education and the distance learner. The various components of distance learning systems are introduced and overviewed including a) course development and design; b) course production; c) course delivery; d) learner support; e) evaluation of courses and the methods of cybernetic control of both student performance and instructional effectiveness; and f) research and evaluation of distance learning systems.	Online	Spring	3 credits
LT 785	Research Methods in Education Technology	Designed to develop the skills of the practitioner to be a consumer of computer-based learning research. This course covers basic and applied computer-based education research design and the interpretation statistics.	Online	Fall	3 credits