STEM Education Certificate

This certificate allows the university to serve the needs of in-service teachers who seek a STEM Education credential. This online certificate is available to teachers both in and outside North Dakota. Through the teachers enrolled in the certificate, STEM education will reach students at the primary and secondary levels and prepare them for the world as it has become. VCSU's STEM certificate will enhance the curricular understandings of in-service teachers who may already have a master's degree or may decide later to expand the certificate into a Master's degree.

Elementary Focus

Code	Title	Credits
Required Courses		
STEM ED 655	STEM Curriculum and Methods in Elementary	3
STEM ED 670	Design, Technology, and Engineering for Elementary	3
STEM ED 671	Inquiry Based Thematic Instruction	3
STEM ED 680	Building Math	3
or STEM ED 665	Invention and Innovation	
Total Credits		**12**

Secondary Focus

Code	Title	Credits
Required Courses		
STEM ED 650	STEM Curriculum and Methods	3
STEM ED 660	Design for Engineering	3
STEM ED 665	Invention and Innovation	3
STEM ED 680	Building Math	3
or STEM ED 682	Engineering the Future	
Total Credits		**12**