

COMPUTER-AIDED ENGINEERING TECHNOLOGY UNDERGRADUATE CERTIFICATE

Computer-Aided Engineering Technology (CAET) is the term for an evolving set of computer based tools used for the development, communication and evaluation of product and building designs. The Undergraduate Certificate in CAET will provide students with a critical skill set identified by industry and government at both the state and national levels. Core classes provide students with a solid foundation in computerized automation techniques, three dimensional form and location geometry. Elective courses facilitate a focus into specific sub-disciplines.

REQUIREMENTS

Minimum of 14 credits required.

Requirement Description		Credits
Required core courses:		
ENGR 1020	Graphical Communication	2
ENGR 2120	Building Information Modeling	3
Choose 9 credits of elective coursework from the following:		
ARTS 2610	Digital Art	3
CDAE 2010	Drafting Design II	3
CEE 2000	Geomatics	4
CEE 5730	Structural Design - Wood	3
ENGR 2140	Advanced 3D Drafting	3
ENGR 2150	Infrastructure & Terrain Model	1
ENGR 2160	Virtual Instrument Engineering	1-3
ME 1510	Computational Mech Engr Lab	1
NR 2430	Intro to Geog Info Systems	3
Other electives may be approved by CAET program coordinator.		