

## 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. Minimum of fifteen credits required.

### REQUIREMENTS

Required core courses:		
ENGR 002	Graphical Communication	2
ENGR 112	Building Information Modeling	3
ENGR 114	Advanced 3D Drafting	3
Choose 7 credits of elective coursework from the following:		
ARTS 144	Digital Art	
CDAE 101	Drafting & Design: SketchUp II	
CE 010	Geomatics	
CE 273	Structural Design - Wood	
ENGR 115	Infrastructure & Terrain Model	
ENGR 116	Virtual Instrument Engineering	
GEOG 081	Geospatial Cncpt&Visualization	
ME 083	Computational Mech Engr Lab	
NR 143	Intro to Geog Info Systems	
Other electives may be approved by CAET program coordinator.		