

## Graduate Certificate in Technology Education

St. Cloud State University has developed a graduate certificate (24 hours) in Technology Education. This program is designed for career advancement and possible additional licensure. The program aligns well with many Technology, Engineering, and STEM areas and can be designed to meet the needs of teachers in this content area. The program has a combination of on/off campus and online courses. It is possible to complete the certificate completely online.

### **The program courses are:**

- ETS515 - Engineering Design & Prototypes
- ETS572 - Construction for Teachers
- ETS573 - Manufacturing for Teachers
- ETS574 - Transportation for Teachers
- ETS575 - Communications for Teachers
- ETS601 - Technology, Environment, and Society
- ETS650 - Instructional Strategies and Assessment for CTE and Technology Education
- ETS673 - History and Curriculum Development for CTE and Technology Education

### **Below are optional courses that can substitute for any of the courses above:**

- ETS 615 Onshape Workshop
- ETS 615 Teaching Foundations of Technology and Engineering
- ETS 615 Teaching CSCI Principles byDesign
- ETS 615 Teaching Technological Design
- ETS 615 Teaching Advanced Tech App
- ETS 615 Teaching Advanced Design App
- ETS 615 Teaching Engineer Design
- ETS 615 Teaching Elementary byDesign K-2
- ETS 615 Teaching Elementary byDesign 3-6
- ETS 615 Teaching Exploring Technology
- ETS 615 Teaching Invention & Innovation
- ETS 615 Teaching Technological Systems
- ETS 625 Philosophy and Practice for CTE & TE
- ET S675 Lab Safety and Maintenance for CTE & TE

**Additional Information:**

- All classes are three-semester courses
- All ETS615 courses are discounted to \$500 total for the three semester credits but require registration and completion of the workshop through [ITEEA's STEM Center](#)
- Additional information is available: [Technology Education | St. Cloud State University](#)
- Apply to the Graduate Certificate at: [Apply | GradCAS](#)

If you have questions or need additional information, please feel free to contact:

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