



## Environmental & Technological Studies

### ► TECHNOLOGY MANAGEMENT

*The Environmental & Technological Studies Department offers four unique undergraduate programs and one graduate program, all with exceptionally high career placement.*

Technology Management majors are prepared for technology-based positions through a combination of technical and management coursework and experiences. The program is accredited by the National Association of Industrial Technology (NAIT). The degree has two options: Construction Management and Industrial Technology.

*For more information contact:*

Environmental & Technological Studies Department

(320) 308-3235

[ets@stcloudstate.edu](mailto:ets@stcloudstate.edu)

A MEMBER OF THE MINNESOTA STATE COLLEGE AND UNIVERSITY SYSTEM



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St. Cloud State University values diversity of all kinds, including but not limited to race, religion and ethnicity (full statement at [bulletin.StCloudState.edu/ugb/generalInfo/nondiscrimination.html](http://bulletin.StCloudState.edu/ugb/generalInfo/nondiscrimination.html)). TTY: 1-800-627-3529 SCSU is an affirmative action/equal opportunity educator and employer. This material can be made available in an alternative format. Contact the department/agency listed above.

Visit our website: [www.stcloudstate.edu/ets](http://www.stcloudstate.edu/ets)

## ▶ PROGRAM OF STUDY

### TECHNOLOGY MANAGEMENT

#### ETS Department Core Requirements (22 credits)

ETS 156	(1) Intro. to Env. & Tech. Studies
ETS 260	(3) Introduction to Environmental Studies
ETS 322	(3) Communications Technology
ETS 363	(3) Resource Management
ETS 373	(3) Environmental and Technological Assessment
ETS 374	(3) Production Technology
ETS 388	(3) Transportation/Energy Technology
ETS 456	(3) Senior Project

#### Major Requirements (16 credits)

ETS 115	(3) Engineering Communications
BCIS 242*	(4) Business Statistics I
MGMT 301	(3) Introduction to Management
MGMT 383	(3) Operations Management
AVIT 270	(3) Electronics Technology

\* Prereq: Math 196 or equivalent

#### Emphasis: (Select one of the following)

##### **Construction Management**

ETS 335	(3) Electrical & Mechanical Systems in Residential Construction
ETS 336	(3) Residential Construction
ETS 411	(3) Architectural Drawing
ETS 436	(3) Construction Scheduling & Estimating

\* 6 credits from Management

\* 15 credits from Technical Electives

## OR

##### **Industrial Technology**

ETS 312	(3) Computer-Aided Design
ETS 343	(3) Computer Integrated Manufacturing
ETS 345	(3) Manufacturing Processes
ETS 348	(3) Synthetics Technology
ETS 430	(3) Mass Production

\* 9 credits from technical electives

**NOTE: Students must have at least 45 credits of 300/400 level classes to graduate.**

**Also available through the ETS Department:**

- Technology Studies minor
- Environmental Studies minor

Each minor is made up of 24 credits and pairs well with most majors throughout the SCSU campus.

#### Technical Electives

##### **Group A – Communications**

ETS 312	(3) Computer-Aided Design
ETS 314	(3) Industrial Design
ETS 325	(3) Commercial Graphics
ETS 411	(3) Architectural Drawing
ETS 413	(3) CAD Practices
ETS 423	(3) Electronic Prepress & Imaging

##### **Group B – Environment**

ETS 262	(3) Environmental Instrumentation
ETS 360	(3) Environmental Literature
ETS 375	(3) Society and Environment
ETS 463	(3) Environmental Toxicology
ETS 465	(3) Wetland Environments
ETS 467	(3) Soils and Environmental Quality
ETS 469	(3) Environmental Systems Modeling

##### **Group C – Production**

ETS 130	(3) General Woodworking
ETS 134	(3) Introduction to Construction Technology
ETS 330	(3) Construction Design and Processes
ETS 335	(3) Electrical & Mechanical Systems in Residential Construction
ETS 336	(3) Residential Construction
ETS 343	(3) Computer Integrated Manufacturing
ETS 345	(3) Manufacturing Processes
ETS 348	(3) Synthetics Technology
ETS 430	(3) Mass Production
ETS 436	(3) Construction Scheduling & Estimating
ETS 446	(3) Manufacturing Concepts
ETS 448	(3) Synthetics Composite Technology
ETS 435	(3) Concrete and Masonry Academy

##### **Group D – Transportation/Energy**

ETS 185	(3) Energy and Society
ETS 186	(3) Introduction to Aerospace Technology
ETS 482	(3) Renewable/Nondepletable Energy
ETS 485	(3) Transportation Academy

##### **Group E – Professional/Topical**

ETS 405	(3) Foundational Technology Development
ETS 414	(3) Practicum (Topical)
ETS 444	(1-9) Internship