Environmental & Technological Studies

▶TECHNOLOGY EDUCATION

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

Technology Education majors graduate with a license to teach technology education in grades 5-12 of Minnesota's public schools. The curriculum centers on preparing teachers to teach standards based technology education with the incorporation of Project Lead the Way. This program is the only Technology Education program in Minnesota accredited by NCATE/ITEA/CTTE.

For more information contact:

Environmental & Technological Studies Department

(320) 308-3235

ets@stcloudstate.edu

PROGRAM OF STUDY

TECHNOLOGY EDUCATION

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 (18 credits)

ETS 115 (3) Engineering Communications
ETS 253 (3) Technology Education Curriculum
ETS 336 (3) Residential Construction
ETS 345 (3) Manufacturing Processes
ETS 353 (3) Instructional Strategy
AVIT 270 (3) Electronics Technology

Technical Electives (9 credits)

Select 9 credits from any of the following groups with no more than 3 credits from 100-level courses and no more than 3 credits from internships.

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 343 (3) Computer Integrated Manufacturing
ETS 348 (3) Synthetics Technology
ETS 430 (3) Mass Production
ETS 435 (3) Concrete and Masonry Academy
ETS 436 (3) Construction Scheduling & Estimating
ETS 446 (3) Manufacturing Concepts
ETS 448 (3) Synthetics Composite Technology

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 (1-3) Internship
ETS 451 (1-3) Workshop: Technical Education Activities
ETS 458 (2) Workshop: Modular Technology I
ETS 459 (2) Workshop: Modular Technology II

Professional Education Core (39 credits)
ED 300 (3) Teaching in Middle School & High School
ED 421 (2) Foundations in Education
ED 431 (2) Curriculum, Instruction & Assessment
ED 441 (2) Integrating Theory & Practice: Inclusive and Responsive Teaching for all Students
ED 466 (12) Student Teaching for 5-12 Licensure
OR
ED 467 (12) Student Teaching for Pre K-12 Licensure
CEEP 262 (3) Human Growth & Development
CEEP 361 (3) Introduction to Educational Psychology
IM 422 (2) Information, Technology and Learning for K-12 & 5-12 Education
HLTH 301 (2) Health Issues and Strategies for Teachers
HURL 497 (3) Human Relations for Teachers I
HURL 498 (1) Human Relations for Teachers II
ENGL 460 (2) Teaching English Language Learners in K-12
SPED 425 (2) Teaching K-12 Learners with Special Needs

All professional education courses must be successfully completed (with a grade of "C" or better) prior to student teaching. In addition, students must have the approval of their major department, 2.5 grade point average, and admission to Teacher Education.