Engineering Technology & Surveying Engineering

http://et.nmsu.edu/
Our Department

Engineering Technology & Surveying Engineering education places an emphasis on the practical application of engineering principles and methods. Our department not only provides a unique academic program, but also offers students opportunities to engage in creative activities and community outreach with their professors and fellow students.
Our Mission is to provide students with a quality engineering technology and surveying education that links theory and application, provides a rigorous, fundamental education, and gives students enhanced career opportunities.
Our Mission

Our goals for supporting this mission:

- **to provide educational and social environments** that promote and facilitate student learning

- to have a **highly respected and visible** department

- to **foster the development** of the department

- to graduate **students** who are competent and **sought after by industry**
ETSE offers six different programs with a variety of minors and concentrations to enhance the degree.

- Civil Engineering Technology
- Electronics and Computer Engineering Technology
- Information Engineering Technology
- Mechanical Engineering Technology
- Surveying Engineering
- Information and Communication Technology – Distance Education Delivery
We also offer six different minors along with four, optional, concentrations.

**Minors**
- Digital Electronic Applications
- Information Technologies
- Manufacturing
- Renewable Energy Technologies
- Security Technologies
- Surveying Engineering

**Concentrations**
- Construction Technology
- Transportation Technology
- Water/Wastewater Technology
- Renewable Energy Technologies
Civil Engineering Technology

Civil Engineering Technology utilizes the application of engineering fundamentals and basic mathematics to implement current civil engineering practices in design, construction, and project management.
CET Students assist with design and/or supervise the construction of roads, buildings, airports, dams, bridges; and water supply.

- **CET** offers optional, **concentrations:**
  - Construction Technology
  - Transportation Technology
  - Water/Wastewater Technology
  - Renewable Energy Technologies
Concrete Canoe Training
Electronics & Computer Engineering Technologists are responsible for the design, building and testing of a wide range of electronic and computer systems.
Electronics and Computer Engineering Technology

**ECET Students** design, test and build: controlling electronic devices, **computer network security**, computer networking and electronics communications.

**Hands On**

- **ECET** offers an **optional concentration** in **Renewable Energy Technologies**.
Information Engineering Technology is the design, testing, development and application of computer hardware and software.
IET focuses on: computer forensics, information security, database management, web page security, and networking. IET Students learn in real-time, applying the principles of engineering to the current and future needs of information technology.
Mechanical Engineering Technology is one of the broadest engineering technology disciplines, from Manufacturing to Renewable Energy Technology.

- MET offers Minors in Renewable Energy or Manufacturing
Our students take courses in mechanisms and machines, computer aided modeling, heat transfer, and instrumentation. By linking theory and application, MET students take concepts and make them a reality.
Mechanical Engineering Technology

Mini Baia
Surveying Engineering involves the application of knowledge to the analysis, design, and execution of surveying and mapping projects and the design of land mapping and information systems.
Whether defining the shape of a nation or determining the path of a new highway, our world is defined through surveying. Surveying Engineers analyze, design, and execute surveying and mapping projects which help to define the world in which we live.
Information and Communication Technology

Information and Communication Technology is a distance education degree-completion program.
Information and Communication Technology

A two-year distance education completion degree so you can work (anywhere in the world) while earning your degree on-line.

Graduates can expect to fill positions with titles such as Information Technologist, Project Manager, Systems or Network Administrator, Computer Support Specialist, and Database Administrator.
ICT Students study computer hardware, application and operating systems software, system, integration, database design and management, networking, and network security.
Our Students

Our students are the technologists, surveyors, and engineers of tomorrow. They are involved in a variety of community and international efforts that not only put their academic but their life experiences to their best use.

Our students help to build a stronger community within and without the department.
From building bridges in foreign countries with *Engineers Without Borders*; engaging in community projects with student designed and surveyed corn mazes for the annual *The Mesilla Valley Maze*; to designing, building and racing concrete canoes with the *Concrete Canoe Team*; to competing in a Construction bidding competitions with *AGC student chapter*, our students excel in rising above and beyond their potential!
Career Opportunities
Just a few for you
Engineering Technology & Surveying Engineering

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