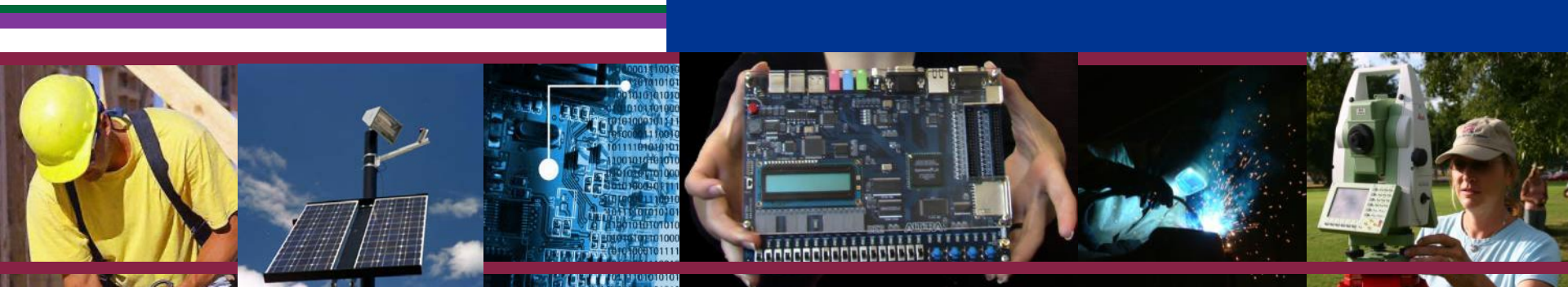




Engineering Technology & Surveying Engineering

<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

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



Programs

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

Minors and Concentrations

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.

Civil Engineering Technology

Aggies without limits
(formerly Engineers Without Borders)

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



Solar Distillation

Civil Engineering Technology



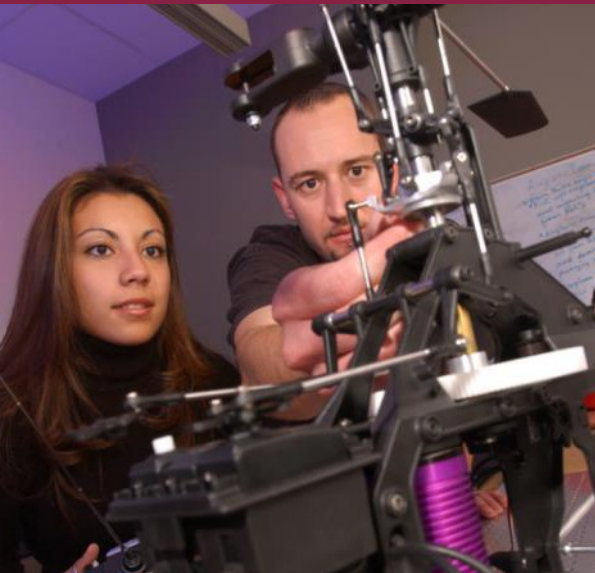
Concrete Canoe Training

Electronics and Computer Engineering Technology

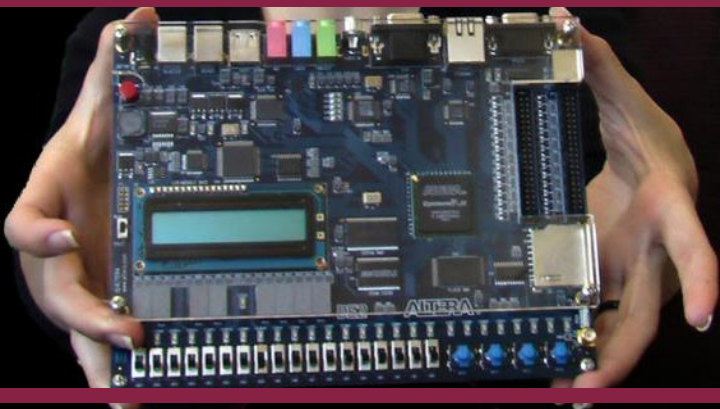
Electronics & Computer Engineering Technologists are responsible for the design, **building and testing** of a wide range of electronic and computer systems.



Electronics and Computer Engineering Technology



Hands On



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

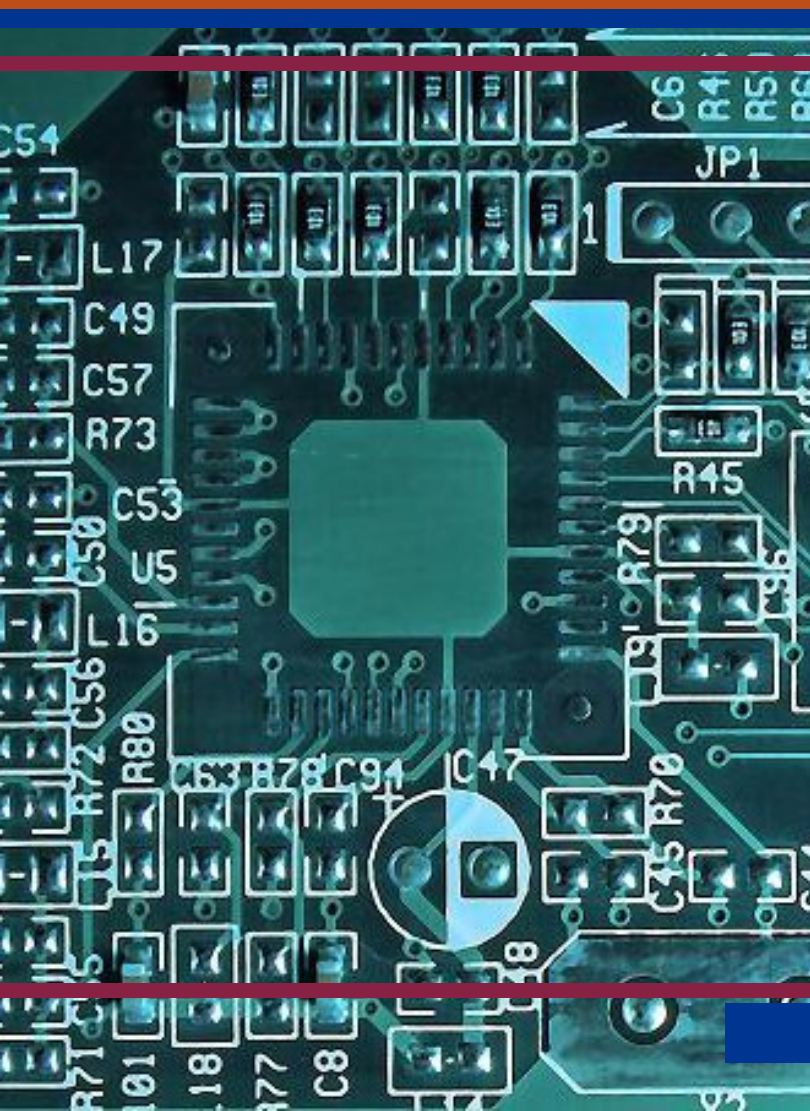
- ECET offers an **optional concentration** in **Renewable Energy Technologies**.

Electronics and Computer Engineering Technology



Rocket Launch with Atomic Aggies

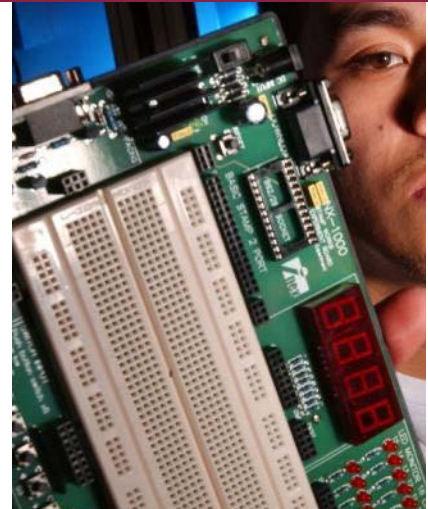
Information Engineering Technology



Information Engineering Technology is the design, testing, **development** and application of computer hardware and software.

Information Engineering Technology

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**.



Design Your Network



Mechanical Engineering 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

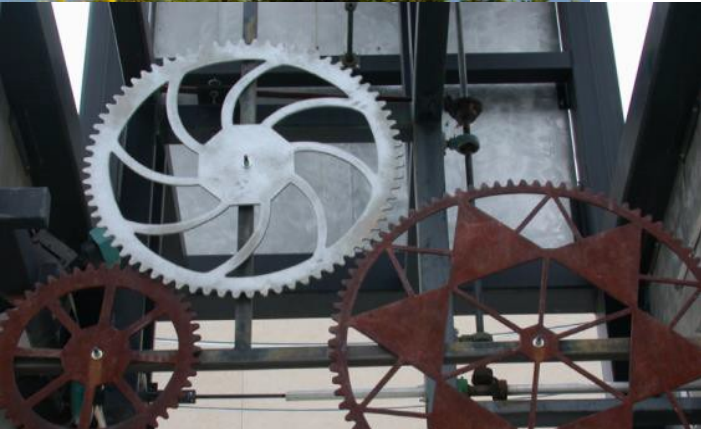


Mechanical Engineering Technology

Renewable Energy Technology



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.



Design and Application

Mechanical Engineering Technology



Mini Baja

Surveying Engineering



Surveying Engineering involves the application **knowledge** to the analysis, **design**, and execution of surveying and mapping projects and the design of land mapping and information systems.

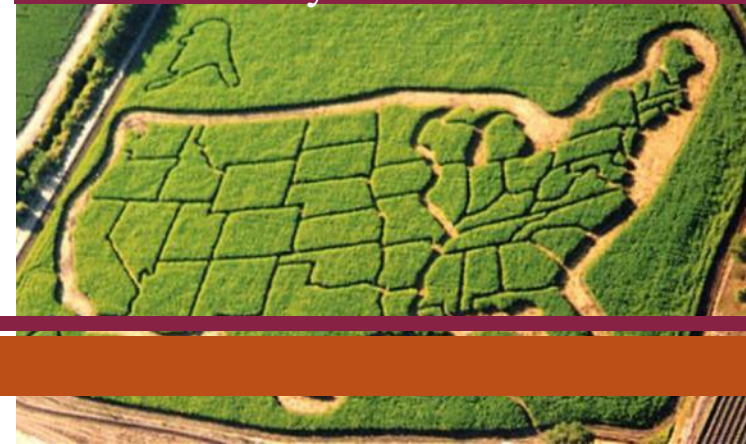
Surveying Engineering

Whether **defining** the shape of a nation or **determining** the path of a new highway, **our world** is defined through surveying.

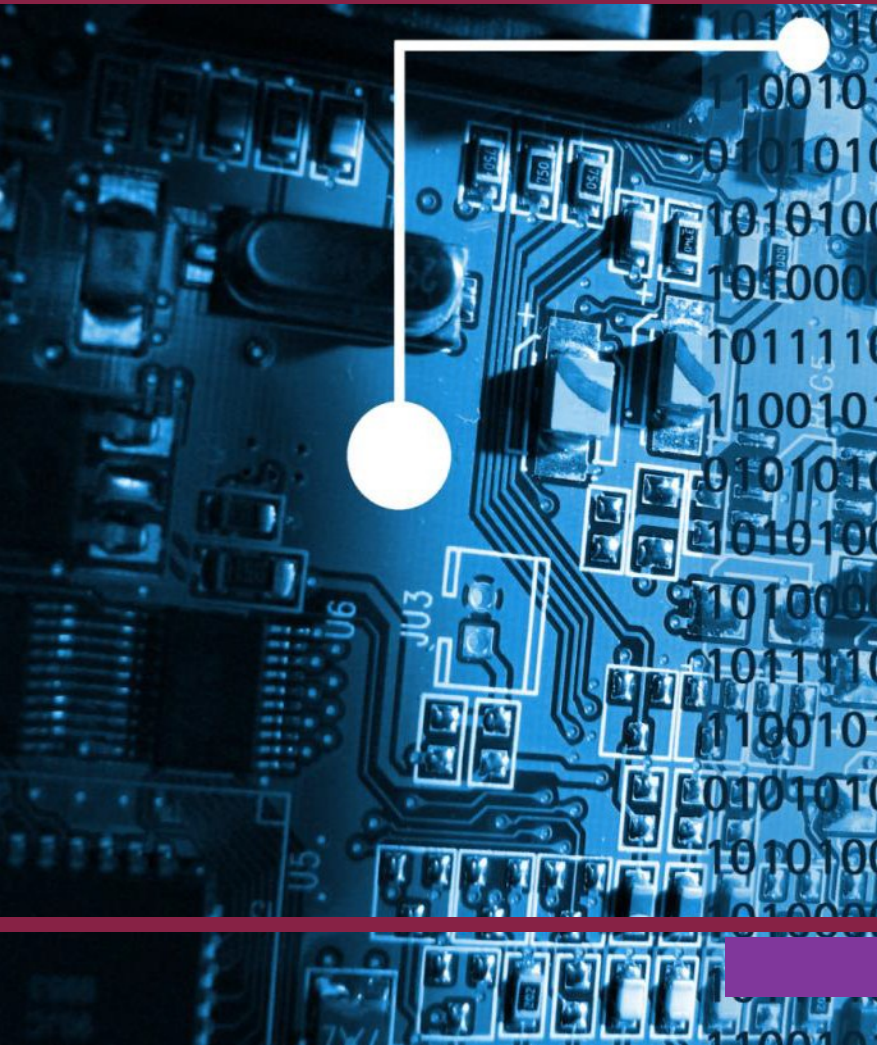
Surveying Engineers analyze, design, and execute surveying and **mapping** projects which help to define the world in which we live.



Survey Your World



Information and Communication Technology



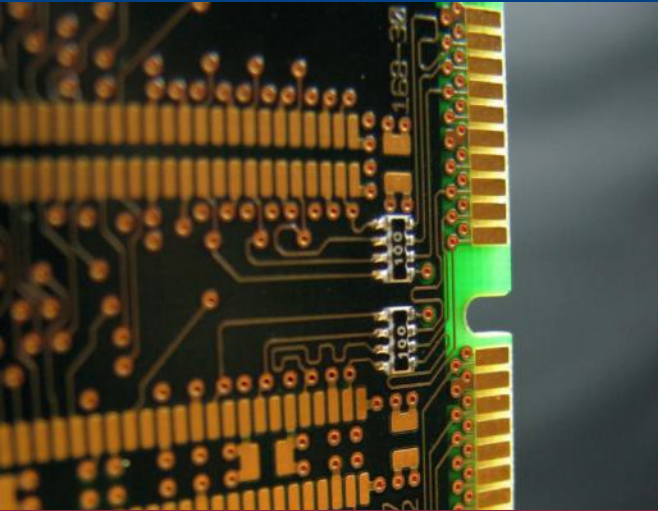
Information and Communication Technology is a distance education degree-completion program.

Information and Communication Technology

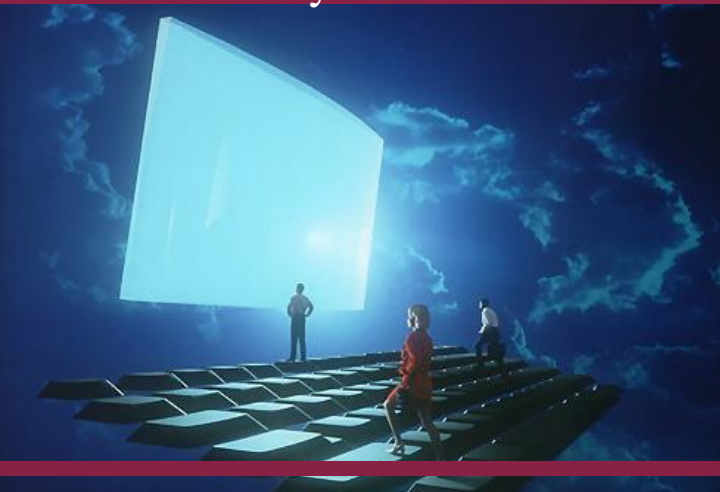
A two-year **distance education** completion degree so you can work **(anywhere in the world)** while earning your degree **on-line**.

Graduates can expect to fill positions with titles such as Information Technologist, Project Manager, Systems or Network Administrator, Computer Support Specialist, and Database Administrator.

Information and Communication Technology



Pathways to Success



ICT Students study computer hardware, application and operating systems software, system, integration, database design and management, networking, and network security.

Our Students

Mesilla Valley Corn Maze



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.



Aggies without Limits

Our students help to **build a stronger community** within and without the department.

Our Students

Concrete Canoe



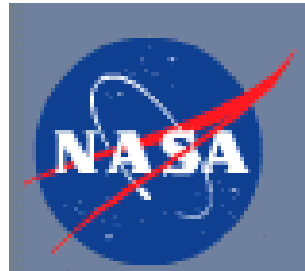
Mini Baja

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



Raytheon

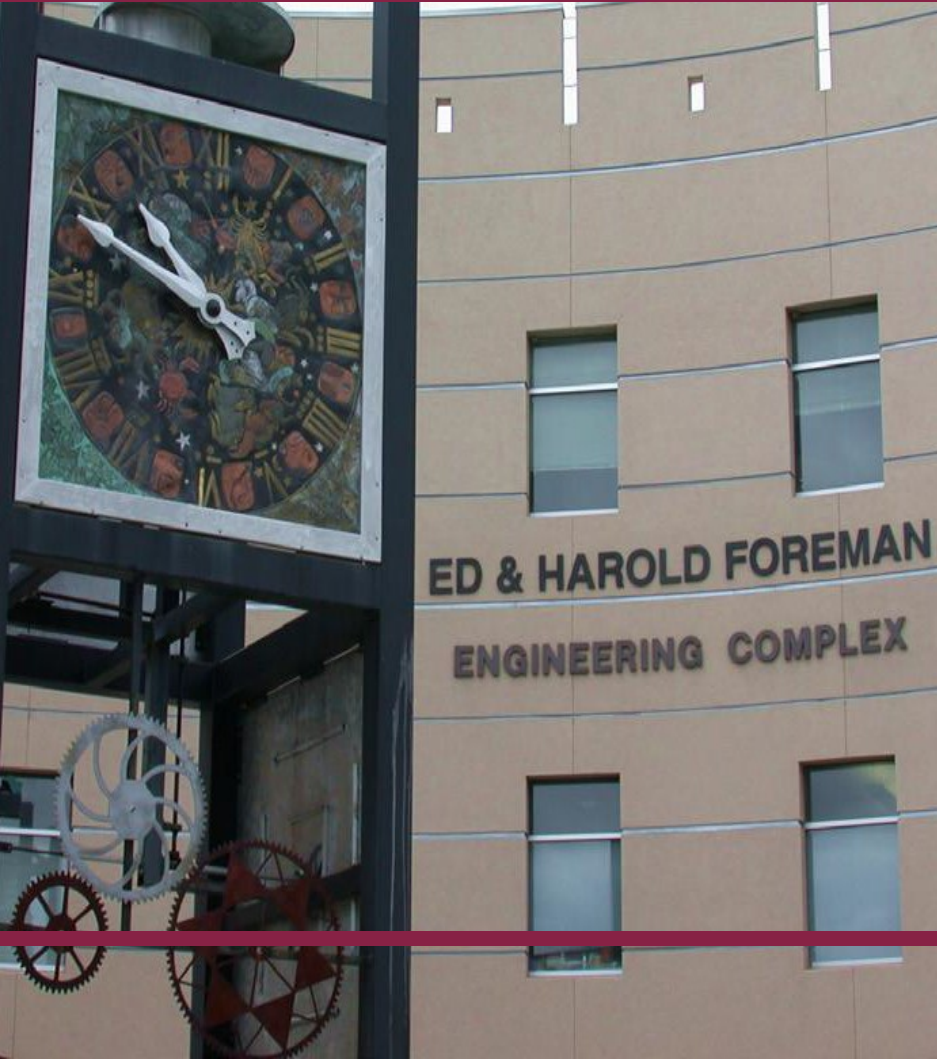


intel.

Honeywell



Engineering Technology & Surveying Engineering



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