COMPUTER-AIDED DRAFTING/ DESIGN TECHNICIAN - UNDERGRADUATE CERTIFICATE

College of Applied and Technical Studies
www.kent.edu/cats

About This Program

The Computer-Aided Drafting/Design Technician undergraduate certificate allows students to quickly develop skills and hands-on experiences in drafting and Computer-Aided Drafting (CAD) operation and the ability to pursue objectives in the face of limited resources. Graduates are prepared for positions as a drafter or CAD operator. This certificate articulates well into an associate or bachelor's degree program in such technical areas as mechanical engineering technology, computer engineering technology and electrical engineering technology.

Contact Information

- **Paul Dykshoorn** | pdykshoo@kent.edu | 330-308-7475
- Speak with an Advisor
- Chat with an Admissions Counselor

Program Delivery

- **Delivery:**
  - In person
- **Location:**
  - Ashtabula Campus
  - Trumbull Campus
  - Tuscarawas Campus

Examples of Possible Careers and Salaries*

Architectural and civil drafters

- -2.5% decline
- 102,900 number of jobs
- $57,500 potential earnings

Drafters, all other

- 0.6% little or no change
- 15,200 number of jobs
- $54,500 potential earnings

Mechanical drafters

- -8.3% decline
- 57,500 number of jobs
- $58,270 potential earnings

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics'

Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Twinsburg Academic Center, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

For more information on admissions, contact the Regional Campuses admissions offices.

Program Requirements

Certificate Requirements

Code	Title	Credit Hours
Certificate Requirements		
EERT 12005	ELECTRICAL/ELECTRONIC DRAWING	2
ENGT 22006		3
IT 11000	INTRODUCTION TO OFFICE PRODUCTIVITY APPS	3
MERT 12000	ENGINEERING DRAWING	3
MERT 12001	COMPUTER-AIDED DESIGN	3
MERT 22003	COMPUTER-AIDED TOOL DESIGN	3
Minimum Total Credit Hours:		**17**

Graduation Requirements

Minimum Certificate GPA	Minimum Overall GPA
2.000	2.000

Program Learning Outcomes

Graduates of this certificate will be able to:

1. Read and interpret engineering drawings across different disciplines.
2. Create formal 2D drawings using industry-oriented CAD software.
3. Apply 3D modeling techniques to design engineering tools and devices.
4. Apply basic principles of economics to make design decisions.