



## TED130 CAD I Syllabus

### Course Information

Credits	5
Campus	Washburn Institute of Technology
Address	5724 SW Huntoon
City/State/Zip	Topeka, Kansas 66604
Office Fax	785-273-7080

### Description

First course in a three-term sequence introducing AutoCAD software as a drafting tool. Instruction will be given in file handling, basic commands function, drafting techniques, presentation, and plotting. Architectural and mechanical applications will be used in lab exercises to demonstrate AutoCAD commands. Work will be completed with AutoCAD.

### Textbooks

AutoCAD and Its Applications Comprehensive, 24th Edition, Goodheart-Wilcox Publisher, ISBN 978-1-3126-739-0.

### Student Learning Outcomes:

- A. Communicate effectively
- B. Integrate technology
- C. Learn effectively
- D. Demonstrate cooperative teamwork skills
- E. Apply safety in the workplace
- F. Think critically and creatively
- G. Demonstrate responsible work ethics

### Competencies

- 1. Identify systems hardware
- 2. Identify systems software
- 3. Demonstrate systems start up and shut down procedures
- 4. Demonstrate proficiency in applications of software and hardware
- 5. Demonstrate the ability to load and store information to and from the hard-drive, disk-drive, CD or flash drive.
- 6. Construct drawings using straight lines, circles, arcs and line styles, etc.
- 7. Demonstrate proficiency of editing lines, circles, polygons, etc.
- 8. Demonstrate proficiency in adding, and editing text
- 9. Be proficient in the use of printer/plotter operations-
- 10. Demonstrate the use of CAD system peripherals

11. Demonstrate the ability to dimension drawings of the CAD system
12. Demonstrate proficiency in setting limits and scale on the CAD system
13. Demonstrate proficiency in setting, turning on and turning off layers
14. Demonstrate hatching

## Guidelines for Success

### Assessment Plan

Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution's technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Criteria:

- A 92% - 100%
- B 84% - 91%
- C 76% - 83%
- D 68% - 75%
- F 67% or below

### Attendance

A student can receive 1 hour make-up by completing a two page typed paper, on an approved subject, double spaced, 12 point font, and with at least 2 sources identified.

### Disability

The Special Support Services (SSS) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST register and provide documentation with the office to be eligible for services. New requests for accommodations should be submitted two months or more prior to the date services should begin; however, contact the SSS Office as soon as a need may arise. Depending on the accommodation request, four to eight week lead time may be needed for timely and effective provision of services. SSS coordinates and assist in arranging services it deems appropriate of eligible students on a case-by-case basis.

If you are a student with a disability that may substantially limit your ability to participate in this class and believe you will need accommodations, it is your responsibility to contact:

Special Support Services Coordinator

Phone: 785-228-6356

E-Mail: [ssscoordinator@washburn.edu](mailto:ssscoordinator@washburn.edu)

