

PVCC CAD 151

Engineering Drawing Fundamentals

“Introduces technical drafting from the fundamentals through advanced drafting practices. Includes lettering, geometric construction, technical sketching, orthographic projection, sections, intersections, development, fasteners. Teaches theory and application of dimensioning and tolerances, pictorial drawing, and preparation of drawings. Part I of II. (Credit will not be awarded for both CAD 151 and DRF 151.)

[View the complete VCCS course description.](#)

Course Structure

Even though the college option of this course last for one semester, ACPS offers this course as a year long elective.

Required Materials

- Laptop and internet connection available for homework
- Dedicated notebook for class

Recommended Resources

- [The Tutoring Center](#) at 501 College Dr, Charlottesville, VA 22901

PREREQUISITES

- PVCC ENG 111 Eligible

TOPICS COVERED

- CAD software introduction
 - Industry tools
- Drawing
- Editing
- File Management
- Plotting
- Digital sketching

Disclaimer

VCCS and ACPS provide limited information on this course. For more detail on course topics, please contact a counselor or instructor.

EXAMPLE TRANSFERS:

Clarify identified very few guaranteed transfer opportunities for CAD 151, likely due to its elective nature.

- Norfolk State Uni. ([TMD150](#))
- Old Dominion Uni. ([MET120](#))
- Sweet Briar College ([ENGR1XX](#))
- James Madison. Uni ([ENGROOO](#))

DIFFICULTY

Clarify was unable to collect enough data to determine this course's difficulty.