COMPUTER AIDED DESIGN & DRAFTING TECHNOLOGY

Drafting and design activities are central to the eventual creation of physical parts and structures. Designs, communicated through drawings which have been drafted and detailed, give rise to mechanical parts and assemblies; architectural building structures; bridges, roads and highways; and a seemingly infinite array of consumer products. Almost every company involved with design and/or manufacturing has one or more design/drafting positions, and those companies use computer aided drafting & design (CADD) software applications as their primary design and drafting tool.

Clark College offers CADD Certificate of Proficiency (CP) and Associate of Applied Science (AAS) programs in three areas: architectural, civil, and mechanical. Each of these programs is structured to prepare the student for entry-level work as a CADD technician. CADD Technology department personnel strive to take your personal goals into account, and will work with you to customize your degree requirements if warranted. This program is a professional-technical program and we try to provide the best real-world environment we can. Our teaching and open lab facilities boast fine equipment and each type of CADD software we teach is kept up to its current educational version. The program requires a co-op, or internship, for graduation. This experience – driven by you, the student – can be vital in gaining successful employment. After gaining experience, many people are successful in setting up their own contract design/drafting businesses. Other find that greater challenges are available in engineering or architecture, and go on to pursue further education in those fields. Some see CADD work as a means to support themselves as they continue that education.

General Preparation

Since many of the program courses are computer-based, students should be comfortable using a computer before entering any of these programs. If interested, contact a CADD department faculty advisor to help you in your career and course-scheduling decisions. Placement testing is required to determine if mathematical and reading levels are adequate for the required courses, or if remedial coursework must be first completed. Interested high school students should prepare themselves by taking mathematics (algebra and geometry), physics, and drafting in particular.

- Civil Computer-Aided Drafting/Design (CP) (https://catalog.clark.edu/academic-plans/computer-aided-design-drafting-technology/civil-computer-aided-drafting-design-cp)
- Civil Computer-Aided Drafting/Design (AAS) (https://catalog.clark.edu/academic-plans/computer-aided-design-drafting-technology/civil-computer-aided-drafting-design-aas)
- Mechanical Computer-Aided Drafting/Design (CP) (https://catalog.clark.edu/academic-plans/computer-aided-design-drafting-technology/mechanical-computer-aided-drafting-design-cp)