

Computer Aided Drafting Technology

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Program Overview for Employers

The **Computer Aided Drafting Technology (CADT) program** for deaf and hard-of-hearing students at Rochester Institute of Technology (RIT) prepares graduates to be well qualified for careers in the architectural, engineering and construction industries. **Graduates of this program are highly trained technicians who perform detailed technical work in support of architects and engineers. Builders and their associated contractors, facility managers, material suppliers and fabricators hire technicians as well.**

Degrees Awarded

- Associate in Applied Science (AAS)
- Associate in Occupational Studies (AOS)

Potential Job Candidates

Approximately 25 students currently are enrolled.

Cooperative Education (Co-op) Component Required

Students are required to complete one 10-week co-op experience.

Equipment and Facilities

Students learn in laboratories equipped with industry standard hardware and software linked to a large campus network. These laboratories are among the best-equipped technical college laboratories in the country, providing students with state-of-the-art learning experiences. High-tech, heavy-duty hardware includes i7-3770 @ 3.4GHz CPUs with 8 Gb RAM. Images are sent to Xerox laser plotters, HP inkjet plotters and HP color laser printers. 3-D models are also created using an Epilog Laser Engraver and a Dimension 3-D Printer.

Student Skills and Capabilities – Preparation for a Career

The CADT program gives students a background in two-dimensional drafting, Building Information Modeling (BIM), construction materials and methods, structural systems, construction regulations, Geographic Information Systems (GIS) and the use of the Internet for the communication of engineering documentation.

Selected Software Used to Develop Technical Skills

The CADT program uses the current versions of career-specific software:

Adobe Creative Suite
Autodesk AutoCAD
Autodesk Revit
ESRI ArcGIS10
Google SketchUp
Microsoft Office

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Selected Technical Courses Leading to an Associate Degree

Advanced Construction CAD
Civil Technology Graphics
Computing Tools in Engineering Technology
Construction CAD I, II
Construction Materials & Methods I, II
Data Collection & Analysis

Engineering Graphics in AEC
GIS Fundamentals
MEP Systems
Presentation Graphics
Principles of Structural Systems

The following employers throughout the country have hired Computer Aided Drafting Technology students and graduates:

City of Rochester
CSArch
Duke University
Gallaudet University
Institute for Human Centered Design

NYS Department of Transportation
Town of Babylon
UC Synergetic, LLC
ZVI Construction Co., LLC

Contact us:

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RIT/NTID co-op students, graduates and alumni provide employers with highly trained, highly motivated employees with excellent skills. We appreciate your interest in our co-op students and graduates and will work with you through the recruiting process to help you hire the right employee. **For your convenience, access further information and services on our website at www.rit.edu/ntid/nce.**