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, material suppliers and fabricators hire technicians as well.

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

Potential Job Candidates
Approximately 20 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 3.0 gigahertz CPUs with 8 Gb RAM and GeForce display cards. Images are sent to Xerox laser plotters, HP inkjet plotters and Xerox color laser printers. 3-D models are also created using an Epilog Laser Engraver and a Dimension 3-D Plotter.

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 Photoshop & Premier
Autodesk AutoCAD
Autodesk Revit
ESRI ArcGIS 10
Google SketchUp
Microsoft Office

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Computer Aided Drafting Technology

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:

Bergmann Associates
City of Los Angeles
Clark Patterson Associates
DeWolff Partnership Architects
MODOT (Missouri Department of Transportation)

NAVAIR
PBS&J
Rochester School for the Deaf
Stantec Consulting
SWBR Architects and Engineers

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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/coops/jobs/.