

NTID
Computer Aided Drafting Technology Outcomes Assessment
Plan and Report for AY 2006-2007

Program Goal: Students develop CAD job-entry skills in the Manufacturing or Architectural/Engineering/Construction (A/E/C) area. Graduates have a broad knowledge of and skills in computer aided drafting technology, applications, and procedures. Technical jobs may include CAD operator, CAD technician, drafter, detailer, or designer.

Critical Outcomes for all Students		Assessment of Outcomes		Timeline		Results	
Domain/Task/ Capability	Performance Criteria/ Benchmarks	Instrument/ Opportunity	Assessment of Performance	Develop	Collect	Summarization of Results	Use of Results
1. Technical	Student will 1. select and use commands from 3-D drawing and editing toolbars. 2. draw a 3-D model. 3. extract from a 3-D model the following drawings: elevation, sections, floor plan 4. create/add dimensions and tolerances.	Produce a 3-D model(s) from preliminary sketches and will derive from the model(s) the orthographic views with dimensions at the end of Construction CAD III.	Given a series of sketches of a building on site 80% of students will produce a complete set of CAD drawings and related supporting technical information, scoring "acceptable/meets entry level professional standards" for all performance elements.	Winter 20052	Winter 20062	Results of 20062: N=9 There were 5 assessment elements for review. The 4 elements have met the acceptable/meets entry level professional standards with rating of 89, 78, 78, and 100% respectfully. The 5th element, "Tech. drawings per industry standards", had a rating of 67%.	We need more data to determine what needs to be adjusted; however, will address the 5th assessment element now.
2. Technical	Student will 1. find technical information and other source material on the Internet and incorporate into drawings and documentation. 2. generate renderings and animations. 3. demonstrate presentation skills.	Create a 3-D model w/ technical documentation for a small office or commercial building and create presentation graphics.	Given a project and design specifications, 80% of CADT students will produce construction documents and presentation graphics scoring "acceptable/meets entry level professional standards" for all performance elements	Winter 20052	Fall 20071	Did administer a pilot activity for Presentation Graphics via new A/E/C curriculum during AY 20061, discussions are underway to determine results.	NA

3. Job Skills	Student will 1. find technical information and other source material on the Internet and incorporate into drawings and documentation. 2. generate renderings and animations. 3. demonstrate presentation skills.	Co-op Supervisor Evaluation Form	Score of 3 or higher on the RIT Supervisor On-line Co-op Evaluation System, sections "Interaction in the Work Environment," "Quality of Work," and "Communication and Literacy Skills."	Winter 20052	Summer 20064	NA	NA
4. Co-op Work Experience	Students will demonstrate technical competency on the job in CAD	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation System, sections "Problem Solving" and "Technical Skills."	Winter 20052	Summer 20064	NA	NA
5. Job Placement	Students will gain entry-level employment in A/E/C CAD field	NCE	90% of graduates will be employed in the field of A/E/C CADT.	Winter 20062	Winter 20072	NA	NA
6. Student Satisfaction	Graduating students will indicate satisfaction with program and courses.	Survey	80% of students will rate all aspects of the program and courses as satisfactory or above.	Winter 20052	Spring 20073	NA	NA
Comments:							
/ssl Rev: 07/12/2007							

