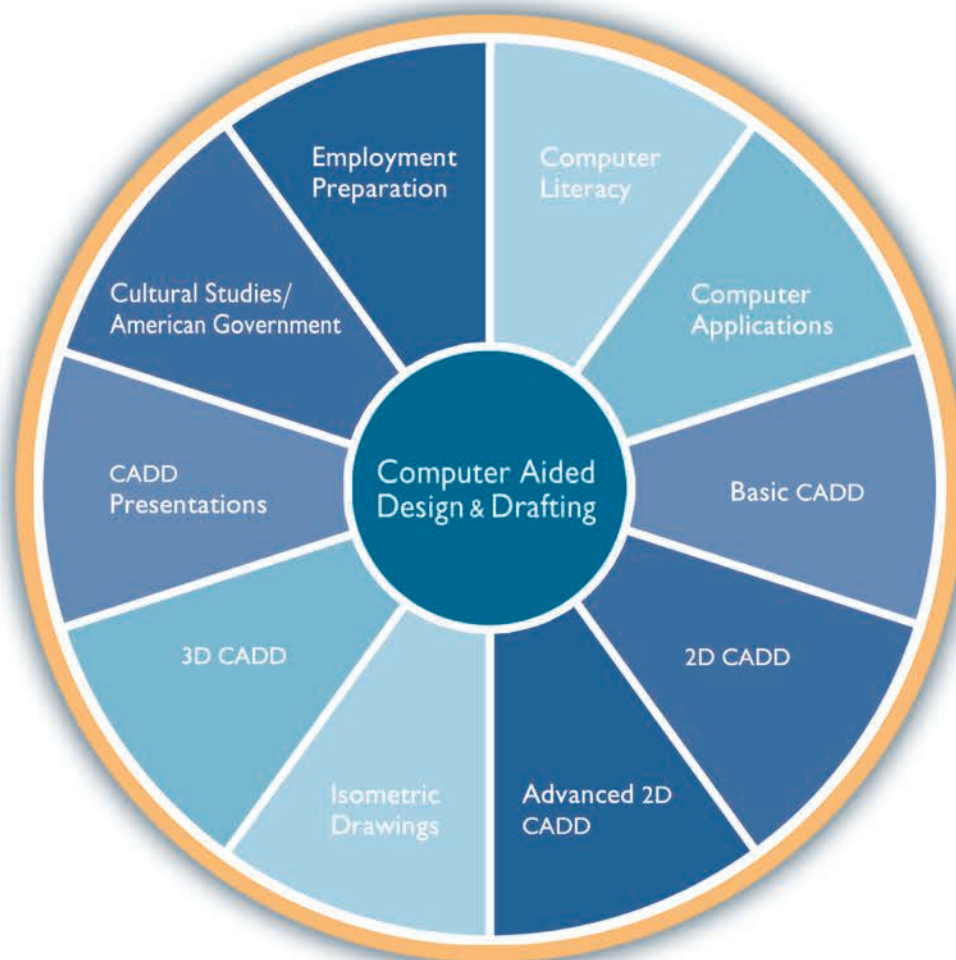




Program Components

The diagram below highlights the major topics covered in the program. Upon successful completion, the graduates receive Diploma in Computer Aided Design & Drafting. For complete and detailed information please refer to the college catalog.



Career Opportunities



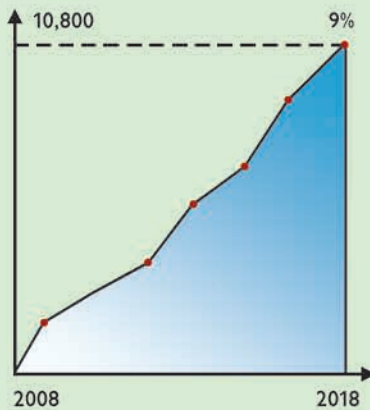
Architecture • Construction • Manufacturing • Aerospace • Simulation
Electronics • Military • Film & Theatrical Sets • Automobile Industry

Our Mission

ORT's mission is to meet the educational and vocational needs of diverse students in the shortest time possible in a supportive, caring atmosphere. Further, the mission is to provide technical skills and knowledge necessary for employment and career advancement. Success is measured by meeting or exceeding student, employer, and community expectations, and is shown by continued referrals and recommendations, employment of our students and pride in the accomplishments of ORT among the community and the pool of volunteers.



Expected new jobs



Projected growth in Architectural and Civil Drafting positions*

*Source: U.S. Department of Labor, Bureau of Labor Statistics, Occupational Outlook Handbook, 2010-11 Edition.

Career Outlook

According to U.S. Department of Labor, employment of architectural and civil drafting is expected to increase by 9%, and to grow about as fast as the average for all occupations through 2018. Increases in overall construction activity stemming from U.S. population growth and the related need to improve the Nation's infrastructure should spur demand for drafters trained in architectural and civil design. Increasingly complex design problems associated with new products and manufacturing processes will increase the demand for mechanical drafters and electronic and electrical drafters employed in engineering and drafting services firms that will be charged with finding solutions to these problems.



Program Objective

The Computer Aided Design & Drafting (CADD) Program is designed to prepare students to become proficient entry-level CADD operators using the AutoCAD program. No prior computer experience is required. The course starts with a thorough introduction to computers as well as keyboarding improvement. Students then learn spreadsheet fundamentals which are used by engineers and architects to place important information into blueprints. The program covers all of the corresponding two-dimensional (2D CADD) functions for traditional drafting, as well as advanced three-dimensional (3D CADD) modeling. The student will generate actual CADD work for the preparation of portfolio drawings, in the individual student's specialty area, for use in securing employment in the CADD industry.

Program Length

This program may be offered in the morning, afternoon, or evening sessions. The morning and afternoon sessions are taught 5 days per week (Monday through Friday) for approximately 30 weeks of instruction. In the evening session, this program is taught 4 evenings per week (Monday through Thursday) for approximately 45 weeks of instruction. This is a 33 semester credit hour program with 720 instructional hours.