

DELTA-MONTROSE TECHNICAL COLLEGE

Technical Drafting Secondary

The Technical Drafting program is designed to introduce students to the Technical Drafting field. In the **Drafting-Computer Aided** certificate students will learn basic drafting and AutoCAD skills applicable to general drafting positions. The **Drafting-Intermediate** certificate introduces students to specialized skills for architectural drafting. Courses in the secondary Technical Drafting program are for high school credits only and will be shown on the student's high school transcript.

Through an articulation agreement with DMTC, students may then enroll in college courses to specialize in **Civil CAD, Architectural CADD, or Mechanical CAD** drafting technology, where they gain a basic foundation in each of those disciplines.

Drafters prepare technical drawings and plans used to build everything from manufactured products, machinery, houses and office buildings to pipelines and roads. Most drafters use Computer Aided Design and Drafting (CAD) systems to prepare drawings. Within the drafting occupation there are a number of specialties, including: aeronautical, architectural, civil, electrical, electronics, mechanical, and process piping or pipelines. All of these require mechanical ability and visual aptitude. An ability to draw well and perform detailed work accurately and neatly is also important. In addition, drafters will be working with other professionals and customers and need to have good interpersonal skills.

Training in technical drafting can help prepare individuals for a variety of related career opportunities such as:

Occupation	Entry Level Wages	Projected Annual Growth
Architectural and Civil Drafters	\$43,462.00	.87%
Civil Engineering Technicians	\$56,995.00	2.05%
Landscape Architects	\$58,066.00*	2.15%*
Mechanical Engineers	\$47,919.00	2.55%
Surveying and Mapping Technicians	\$25,233.00	1.94%

Data from Colorado Department of Labor and Employment Occupational Employment Statistics Survey 2015. An * indicates the data is for the entire state.

Drafting - Computer Aided

Course	Title	Hours
Semester 1		
CAD100	Print Reading for CAD	53
CAD101	Computer Aided Drafting I	53
EGT101	Technical Drafting I	53
Semester 2		
CAD102	Computer Aided Drafting II	53
MAT107	Career Math	53
EGT102	Technical Drafting II	53

Drafting - Intermediate

Course	Title	Hours
Semester 1		
CAD201	Computer Aided Drafting/Custom	53
CAD202	Computer Aided Drafting/Intro 3D	53
CAD240	Inventor I/Autodesk	53
Semester 2		
CAD255	Solidworks/Mechanical	53
AEC289	Capstone	53
CAD224	Revit	53

See Your High School Counselor to Register!
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We are an equal opportunity educational institution and will not discriminate on the basis of race, color, national origin, religion, sex, age, or disability, in our activities, programs, or employment practices as required by Title VI, Title IX, and Section 504. For further information regarding civil rights or grievance procedures, contact John Jones, Director, Delta-Montrose Technical College, 1765 US Hwy 50, Delta, Colorado 81416, (970) 874-7671, or the Office for Civil Rights, U.S. Department of Education, Federal Building, 1244 Speer Boulevard, Suite 310, Denver, CO 80204-3582, phone (303) 844-5695, FAX (303) 844-4303; TDD (303) 844-3417, or Email OCR_Denver@ed.gov.

TECHNICAL DRAFTING - SECONDARY

Schedule

Year 1 Drafting - Computer Aided Monday-Friday 7:45 - 9:45
Year 2 Drafting - Intermediate Monday-Friday 7:45 - 9:45
This program follows the DMTC Secondary Calendar.

Cost (all costs reflect 2017-18 program pricing and may change for 2018-19)

Tuition and Fees

Year 1 Drafting - Computer Aided Sem. 1 - \$1,017 Sem. 2 - \$1,017 Total - \$2,034
Year 2 Drafting - Intermediate Sem. 1 - \$1,077 Sem. 2 - \$1,077 Total - \$2,154

Student Cost

Year 1 Drafting - Computer Aided Book - \$90.89
Year 2 Drafting - Intermediate Book - Use year 1 book

Admissions Requirements

Secondary Application
Counselor/Parent Approval
Purchase of book

Next Step

Education

Technical Drafting program at DMTC

Book and supply costs do not include tax. All costs are subject to change without notice.

Technical Drafting - Secondary is a high school program at Delta-Montrose Technical College. Students earn high school credits from their home high school. Enrollment may be done only through the high school counselors.