



# DRAFTING

## DRAFTING

**Associate in Science**  
Certificate of Achievement

**27-29 Units** (*Industrial Design and Manufacturing Option*)  
27-29 Units

Training in Drafting prepares the student for a career as a drafter, designer, engineering assistant, 3-D model maker, estimator and design/drafting checkers. Students may obtain an AS, Certificate of Achievement, or prepare for a transfer to a four year university in the fields of industrial design, manufacturing or industrial technology. Upon a successful completion of the program, students will be prepared for entry-level positions in the drafting industry. They will be able to demonstrate an understanding of drawing methods and graphic composition techniques and prepare technical drawings using computer aided drafting (CAD) software.

JOB TITLE	AVERAGE SALARY	PROJECTED JOBS	PROJECTED GROWTH
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**Architectural Drafter**

**\$23.46/hr.-\$48,800**

**12,400**

**+2%/-2%**

Drafters prepare detailed drawings of architectural designs and plans for buildings and structures according to specifications provided by an architect using CAD equipment or conventional drafting station to produce designs, working drawings, charts, forms and records. May represent architect on construction site, ensuring builder compliance with design specifications and advising on design corrections, under architect's supervision.

**Survey/Map Technician**

**\$19.07/hr.-\$39,670**

**54,000**

**14%**

Surveying and mapping technicians assist surveyors, cartographers, and photogrammetrists. Together, they collect data and make maps of the earth's surface. Surveying technicians visit sites to take measurements of the land. Mapping technicians use geographic data to create maps. Mapping technicians often require formal education to study advances in technology such as geographic information systems.

**Civil Engineering Technician**

**\$22,87.hr.-\$47,560**

**73,100**

**+2%/-2%**

Apply principles of civil engineering in planning, designing and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists. Develop plans and estimate costs for installation of systems, utilization of facilities, or construction of structures. Report maintenance problems occurring at project site to supervisor and negotiate changes to resolve system conflicts.

