



## Industrial Technology

### **Degree**

Industrial Technology, General, Associate in Science

### **Fields of Study Available:**

Construction (See page 125)

Electronics (See page 133)

Industrial Drawing (See page 161)

Manufacturing Technology (See page 177)

Welding (See page 225)

Woodworking and Cabinetmaking (See page 229)

## Industrial Technology (General)

### Associate of Science Degree Degree

Students who complete the Industrial Technology degree with the Industrial Drawing option will acquire information, skills, and training in a variety of fields that will enable them to apply their knowledge in an array of situations, including engineering and manufacturing settings. Students will acquire the practical knowledge and skills to successfully enter industry employment or to advance within their organization. Career opportunities include architecture, engineering, and Industrial Technology, draftsman, CAD Technician, Engineering Technician, CAD Manager, and detailer.

To Achieve the Associate in Science

Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Industrial Technology (General) Associate in Science degree.

To Transfer Coursework

A minimum of 22 semester units in the major with a grade of 'C' or better while maintaining a minimum grade point average of at least 2.0 in all California State University transferable coursework.

#### Program Learning Outcomes

Upon successful completion, the student will:

- demonstrate proficiency in technical skills and safety principles required for industrial employment.
- demonstrate problem solving skills used in industrial design and product development.
- demonstrate a deep understanding of the core material required for transfer to a four year university degree program in industrial technology.

#### Total Units: 22

##### Required Courses

Course #	Name	Units
MFGT B1AB	Machine Tool Processes	3.0
ELET B1	Basic Electronics (DC and AC)	4.0
INDR B12	Introduction to Drafting and CAD	2.0
INDR B20A	Computer Aided Drafting and Design (CAD)	3.0
INDT B10	Occupational Readiness	3.0
WELD B1A	Introduction to Oxygen Acetylene Welding and Cutting	2.0
WELD B1B	Introduction to the Welding Processes	2.0

##### Electives - Select 3 units from the following:

INDR B20B	Computer Aided Drafting and Design (CAD)	3.0
MFGT B2	CNC Lathe Programming & Operation	3.0
WOOD B2	Furniture and Cabinetmaking	3.0
AUTO B1AB	Introduction to Automotive Technology	4.0
CNST B1	Introduction to Construction	3.0
COMP B5	Introduction to Microsoft Office	3.0