

INDT - Industrial Technology Courses

INDT B10 Industrial Technology Careers

3 units

Description: Orientation to Bakersfield College and post-secondary education in California. Survey of career and technical education programs in the field of industrial technology exploring career opportunities and discussing career evaluation. The course explores the options and techniques for creating a unique resume, discusses interview strategies, and includes development of a personal education plan. Other topics include self-evaluation, decision-making, goal setting, time and financial management. Satisfies the .5 unit educational planning requirement for graduation from Bakersfield College. Elective credit only.

Hours: 54 lecture

Transferable: CSU and private colleges.

INDT B48WE Occupational Work Experience Education/ Internship

1-8 Units

Prerequisites: Declared major or occupational goal and evaluation of student's qualifications and objectives.

Description: College credit for Industrial Technology related learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student. Occupational work experience credit may accrue at the rate of 1 to 8 units per semester for a total of sixteen units, and students must work 75 hours per semester unit at paid work experience; 60 hours per semester unit volunteer work experience. Repetition allowed per Title 5 55253.

Hours: Paid 75 hours for each 1 unit (75-600). Non-paid 60 hours for each 1 unit (60-480).

Transferable: Not transferable. Degree applicable.

INDT B72 Special Problems in Electronics

2 units

Prerequisites: Successful completion of ELET B1 with a grade of C or better or equivalent. Requires Instructor approval to enroll.

Description: This course provides individual students the opportunity to explore various segments of electronics and automation technology. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment.

Hours: 18 lecture, 54 lab

Transferable: Not transferable. Degree applicable.

INDT B271 Special Problems in Welding

2 units

Prerequisites: Successful completion of WELD B1A, WELD B1B, WELD B53A, WELD B74A, and WELD B74B with a grade of C or better.

Description: Provides individual students the opportunity to explore various segments of welding such as various welding processes and codes, fabrication techniques, layout, and testing and preparation for certification. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skill development necessary for enrichment or employment.

Hours: 27 lecture, 27 lab

Transferable: Not transferable. Degree applicable.

INDT B273 Special Problems in Machine Tool Metal Working

2-3 units

Prerequisites: Completion of minimum of 6 units of machine tool courses with a grade of 'C' or equivalent experience or evaluation by instructor. Completed Petition for Individual Study form.

Description: Provides individual students the opportunity to explore various segments of machine tool metal working. Development and implementation of meaningful, self-directed studies in areas where student desires specific technical and related skills development necessary for enrichment or employment.

Hours: 18 lab hours for each unit (36-54)

Transferable: Not transferable. Not degree applicable.

INDT B274 Special Problems in Woodworking

2-3 units

Recommended: Concurrent enrollment in a woodworking technology related course or previous woodworking and/or cabinetmaking experience.

Description: Course is intended to provide students the ability to, on an independent study basis, the opportunity to explore various segments of the woodworking and cabinetmaking industry. The primary intent of this course is to develop and implement meaningful, self-directed studies in areas where the student desires specific technical and/or skill development

Hours: 54 lab hours for each unit (108 – 162)

Transferable: Not transferable. Not degree applicable.

INDT B275 Special Problems in Automotive Technology

2 units

Description: Provides the individual students the opportunity to explore various segments of automotive. Development and implementation of meaningful, self-directed studies in areas where the student desires specific technical and related skill development necessary for enrichment or employment.

Hours: 27 lecture, 27 lab

Transferable: Not transferable. Not degree applicable.