



Location: Signal Peak Campus

Certificate: Automated Industrial Technology I

CONTACT:

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Program Description: The Certificate of Completion (CCL) in Automated Industrial Technology I prepares students to troubleshoot, maintain, and repair a variety of automated electro-mechanical, product assembly, and product distribution systems that use other methodologies to accomplish system management. These systems include mechanical, hydraulic, pneumatic, electrical, and electronic devices. Through this certificate, graduates will gain the skills to define, install, and maintain complex production systems.

Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

Note: Students must earn a grade of C or better in all required courses.

SEMESTER BY SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

Table with columns: Fall Semester, Credit Hours, and empty columns. Rows include AIT100 NIMS Industrial Safety (1), AIT105 Maintenance Operations (3), AIT110 Mechanical Systems (3), AIT115 Hydraulic Systems (3), AIT120 Pneumatic Systems (3), AIT125 Electrical Systems I (3), and Semester Credits: 16.

Total Program Hours: 16

Total program cost, including tuition, books, and fees is approximately \$1,360. Financial aid may be available.

CAREER INFORMATION

The growing emphasis on cost control through increased efficiency, along with their role in assisting with automation, is expected to sustain demand somewhat for industrial engineering technicians' services. However, this occupation's employment is projected to show little or no change from 2018 to 2028 in large part because of the projected decreases in employment in the manufacturing industries in which these technicians work, such as computer and electronic product manufacturing, chemical manufacturing, and primary metal manufacturing.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Industrial Engineering Technicians, at https://www.bls.gov/ooh/architecture-and-engineering/industrial-engineering-technicians.htm

As part of Central Arizona College's TRUE Learning Community, our Career & Transfer Center supports students in achieving their goals through career development and/or transfer to a four-year institution. For more information, visit CAC Career & Transfer Center at centralaz.edu/transfer.

If you are interested in pursuing an AAS degree in Automated Industrial Technology, review that degree and talk to an advisor.