

Building and Construction Technologies

Associate of Applied Science

Electrician Focus Area

Full-Time Fall Start

www.pima.edu/building-aas

Learn to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring.

Title IV Financial Aid eligible: Yes

What can I do with this degree?

Career options: Apply for entry-level electrician positions in building and construction trades.

Academic options: This program may apply toward a Bachelor of Applied Science (BAS). See an advisor.

CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

Placement

Students must meet prerequisite standards before taking GTM 105 and GTW 101 in the pathway below. If you are not prepared for the courses based on placement results you will need to take courses to build your skills prior to taking them. The sequence of courses follows.

Math: ICS 081 > GTM 105

If a MAT course higher than MAT 106 is chosen, and/or if WRT 101 or 154 is chosen, additional coursework may be needed

Semester Pathway

This pathway is a suggested sequence of courses for your program of study. Work with an advisor to develop a unique pathway for you based on your placement recommendations, any prior college courses, and your specific situation.

General Education Note: When General Education (Gen. Ed.) credits are listed below, select from the appropriate General Education course list linked from the program website. Some programs recommend specific courses.

For this pathway, ensure that one Gen. Ed. course fulfills the C or G requirement.

Semester 1 - Fall (Semester Total: 13 credits)

BCT 105: Professionalism in Service, Construction Math, Basic Rigging (3 credits)

BCT 107: Basic Safety, Hand and Power Tools, Blueprint Reading (3 credits)

GTM 105: Applied Technical Mathematics (3 credits)
or MAT course numbered 100 or higher: (3 credits)

STU 100: College Study Skills (1 credit)

Gen Ed: CTE Communications List. Recommend: GTW 101: Writing for Trades and Technical Occupations (3 credits)

Semester 2 - Spring (Semester Total: 12 credits)

BCT 120: Blueprint Reading for Construction (3 credits)

BCT 135: National Electrical Code Residential Wiring Applications (4 credits)

BCT 172: Electrical I (4 credits)

CSA 100: Computer Literacy (1 credit)

Semester 3 - Summer (Semester Total: 8 credits)

BCT 173: Electrical II (4 credits)

BCT 174: Electrical III (4 credits)

Semester 4 - Fall (Semester Total: 14 credits)

BCT 184: National Electrical Code I (3 credits)

BCT 271: Electrical IV (4 credits)

BCT 272: Electrical V (4 credits)

Gen. Ed.: CTE Arts & Humanities List (3 credits)

Semester 5 - Spring (Semester Total: 13 credits)

BCT 273: Electrical VI (4 credits)

BCT 284: National Electrical Code II (3 credits)

Gen Ed: CTE Other Requirement List. Recommend CMN 120: Business and Professional Communication (3 credits)

Gen. Ed.: CTE Social & Behavioral Science List (3 credits)

Semester 6 - Summer (Semester Total: 4 credits)

BCT 290: Building and Construction Technologies Capstone (4 credits)

PROGRAM TOTAL: 64 credits

Program/Major Codes: **AASBCT/BCT1**

Find more information about this program at:
www.pima.edu/building-aas