

# Building and Construction Technologies

## Associate of Applied Science

### Carpenter Focus

Full-Time Fall Start

[www.pima.edu/building-aas](http://www.pima.edu/building-aas)

Learn carpentry and woodworking skills, the safe use of hand and power tools, construction math and blueprint reading, and constructing floor systems, windows, exterior doors and performing roof-framing.

**Title IV Financial Aid eligible:** Yes

#### What can I do with this degree?

**Career options:** Seek employment as a carpenter, working indoors and outdoors on many types of construction projects, from installing kitchen cabinets to building homes.

**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)

**BCT 120:** Blueprint Reading for Construction (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)

##### **Semester 2 - Spring (Semester Total: 14 credits)**

**BCT 101:** Principles of Construction (3 credits)  
or **BCT 102:** Building Materials (3 credits)

**BCT 123:** Concrete/Masonry (3 credits)

**BCT 145:** Carpentry I (4 credits)

**CSA 100:** Computer Literacy (1 credit)

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

**Semester 3 - Summer (Semester Total: 6 credits)**

**BCT 146:** Woodworking I (3 credits)

**BCT 147:** Woodworking II (3 credits)

**Semester 4 - Fall (Semester Total: 13 credits)**

**BCT 265:** Sustainability for Building Trades (3 credits)

**BCT 286:** International Residential Code (IRC) I (3 credits)

**CAD 151:** Computer-Aided Drafting for Construction (4 credits)

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

**Semester 5 - Spring (Semester Total: 13 credits)**

**BCT 287:** International Residential Code (IRC) II (3 credits)

**CAD 166:** Introduction to Revit (4 credits)

**Gen Ed:** CTE Other 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: 63 credits**

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

**Find more information about this program at:  
[www.pima.edu/building-aas](http://www.pima.edu/building-aas)**