



GEORGIA
PIEDMONT
TECHNICAL COLLEGE

NEW FOR FALL 2021

**FIND YOUR WAY FORWARD WITH
RESIDENTIAL BUILDING DESIGN**

PROGRAM SNAPSHOT

Residential building technician job responsibilities include the creation and revision of production drawings, research for permit, bid and construction and much more!

- **First and only program** of its kind in the U.S.
- **100% online** program
- Associate degree in **less than 2 years**
- Program written and taught by **industry professionals**

There's more! See flipside for class listing and career outlook.



HAVE A QUESTION?

Contact New Media Program Director
Stephanie Voltolin by phone or email
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THE WAY 
FORWARD

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Residential Building Design Technology CURRICULUM



RBDT 1100 - Introduction to Design

Establishes the fundamentals of manual delineation, principals and elements of design, visualization skills, and terminology associated with residential building design and construction.

RBDT 1200 - Fundamentals of Architectural Drawing

Builds on the fundamentals of design and delineation with the introduction of object-based CAD.

RBDT 1210 - Applied History of Residential Design

Teaches an applied history of residential designs that will provide an understanding of the how and why of the modern techniques that are used today.

RBDT 1300 - Residential Composition

Teaches the mechanics of residential delineation. Spatial relationships through the use of bubble diagrams and site analysis are examined.

RBDT 1310 - Wood Construction

Covers the structural aspects of residential wood framing.

RBDT 1320 - Sustainable Design

Covers how sustainable design methods used in residential planning can impact the environment in positive ways.

RBDT 2100 - Internship

Provides practical application of material previously covered in the program.

RBDT 2110 - Portfolio

Assists students in the preparation of a professional portfolio used to showcase their work to potential employers.

RBDT 2200 - Presentation Techniques

Addresses the skills necessary to present and communicate effectively with clients and coworkers.

RBDT 2200 - Capstone Project

Students will work on a studio project that will showcase the skills they have acquired throughout the course of the program.

RBDT 2210 - HVAC / Plumbing / Electrical

Covers the basics for residential HVAC, plumbing, and electrical systems.

CAREER OUTLOOK

Graduates of the program would work for **residential architects and building designers** in entry-level positions, serving as residential design **technicians**. Over time, responsibilities could expand to include **design** and **management** responsibilities that may provide a pathway to become a building designer in a firm, an independent contractor, or an **entrepreneur**.

Unlike drafters, design technicians would be educated toward an **architecture-oriented** professional track that could provide a path to registration as a licensed architect. Georgia has seen **double-digit growth** in the need for new residential designers and technicians.

Much of this current **demand** is actually being served by out-of-state professionals taking advantage of the internet and CAD technology. Growth in state for the last 5.5 years has averaged **13.6% annual increase**.



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