



Personality + Career

Building Construction Technology students like to start projects and see them through to completion – they like seeing the finished result and the efforts of their work. They also see the big picture, are self-motivated, driven, and enjoy physically demanding tasks.

Program	Credential	What do students learn in the program?	What do graduates earn?	Career Opportunities	Are graduates prepared for/to complete exams for specific credentials/licensing/certifications at the end of the program (each credential level)?	Required Tools, Supplies, and Uniforms
Carpentry and Cabinet Making	Certificate	Students will learn basic carpentry skills, including the use and maintenance of hand tools, power tools, portable power, and stationary equipment and the application of construction materials. Students will also learn to read blueprints, how to cut and assemble parts, machine woodworking, and modern practices used in the construction industry. Students also learn the skills needed to produce finished cabinetry.	No salary data available.	Cabinet Maker	Students graduate with a forklift certification. Students will have also completed the OSHA 10 training.	Tools are required. See list provided. No uniform is required for this program.
Commercial Design and Estimating	Certificate	Students will learn commercial blueprint reading, quantity- and cost-analysis and design of commercial structures using building information modeling BIM (Revit) software.	No salary data available.	Drafting/ Estimating Technician	N/A	N/A
Construction Process	Certificate	Students will gain exposure to basic construction practices for light residential carpentry and masonry.	No salary data available.	Laborer	Students graduate with a forklift certification. Students will have also completed the OSHA 10 training.	Tools are required. See list provided. No uniform is required for this program.
Residential Design and Estimating	Certificate	Students will learn residential blueprint reading, quantity- and cost-analysis and design of residential structures using building information modeling BIM (Revit) software.	No salary data available.	Drafting/ Estimating Technician	N/A	N/A
Building Construction	Associate of Applied Science	In addition to the skills listed above, students participate in a full house build learning to do residential framing, exterior finish, interior trim, cabinet making, and roofing. Building Construction Technology students will work alongside students from other SCC programs, including Electrical/Electromechanical; Heating, Ventilation, Air Conditioning & Refrigeration Technology; and Plumbing Technology. Students will also become skilled in building information modeling BIM (Revit) and Buildertrend software.	\$18.25 hourly; \$37,960 annually	Carpenter, Cabinet Maker, Project Foreman, Concrete Masonry Specialist, Drafting / Estimating Technician	Students graduate with a forklift certification. Students will have also completed the OSHA 10 training.	Tools are required. See list provided. No uniform is required for this program.

» Your Next Steps to Choose SCC

- ▶ Schedule a Campus Visit - southeast.edu/visit
- ▶ Explore career options with an Admissions Counselor - southeast.edu/admissionsadvising
- ▶ Apply - southeast.edu/applynow

» Paying for SCC

- ▶ Free Application for Federal Student Aid (FAFSA) - studentaid.gov/h/apply-for-aid/fafsa
- ▶ Scholarships - southeast.edu/scholarships
- ▶ Payment Plan - mycollegepaymentplan.com/southeast
- ▶ Veteran Education Benefits - southeast.edu/veterans-services
- ▶ GAP Assistance Program - southeast.edu/gap
- ▶ Children of State Teammate Tuition Reimbursement Program - southeast.edu/children-of-state-teammate-tuition-reimbursement-program



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Contact Admissions to get started!

402-437-2600, 800-642-4075 ext. 2600

✉ admissions@southeast.edu



The construction industry is growing, and a degree in Building Construction Technology from SCC will equip you with the skills to succeed in a diverse field. Students learn important construction theory and receive comprehensive training and skills on real projects in carpentry and cabinet making, residential and commercial construction, concrete and masonry construction, and gain drafting and estimating skills.

The program teaches students the necessary information to work in both the residential and commercial industries.

There is a big demand for skilled workers in the construction industry, and the career opportunities and earning potential are limitless!

Program Contact Information

Jason Adams, Program Chair

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The SCC Experience

- » The SCC Building Construction Technology program is one of the only programs in the region and offers multiple credentials in various construction processes, giving students the opportunity to develop skills in construction methods, and residential and commercial estimating. SCC's graduates are highly skilled in their trade and are prepared to enter management roles.
- » Students spend three hours in the lab working hands-on with tools, equipment, and construction materials for every one hour spent in the classroom. That means 75% of a student's experience is spent in the lab developing key skills for their future.
- » The Building Construction Technology program builds a house on campus each year in collaboration with the SCC Electrical/Electromechanical; Heating, Ventilation, Air Conditioning & Refrigeration Technology; and Plumbing Technology programs. The house is then auctioned off to a buyer from the public. Students participate in various parts of the house-build project, giving them real-world experience with framing, interior and exterior finishing, and roofing. Students will also build cabinetry for customers. These real-world experiences help students build their technical skill set and develop skills for working with customers.
- » The program is industry driven to ensure students learn what they need to know to advance in their career. The program was created in response to industry needs and continues to evolve with today's modern construction processes. The program maintains close relationships with industry partners and the American General Contractors (AGC) Building Chapter and the Lincoln Home Builders Association, giving students key networking experiences. These industry partnerships often lead to jobs and sponsorship opportunities to help offset the cost of tuition and tools.



TOOLS

Many tools are provided and students are only asked to purchase minimum tools in their first term, giving them time to explore and learn. Students then add to tools in future semesters. Tools are an investment in a student's career and SCC works with a variety of tool vendors to give students options. Many vendors offer students a significant discount. Students can also purchase tools from other vendors not associated with the College. Program faculty and advisors will provide students with specific information related to tools prior to the start of their first semester.

During the first week of each semester, tool vendors come to campus and provide students with options to buy single tools or tool sets based on program needs. Faculty will be available to help students make selections based on course and program needs.

Building Construction - Required Basic Tool List

REQUIRED TO ENTER 1ST SEMESTER

- *Safety Glasses - must meet Z87 specs.
- Approved leather shoes/boots for construction
- *Hard Hat - OSHA approved for construction work
- *Construction Master Calculator v3.1
- Carpenter's Level, 24" aluminum
- 1 Tape Measure, Stanley, 33-425 (25')
- *Hearing Protection
- 1 Flash Drive Storage Device (1) GB min.
- 1 Hammer 16 oz., Plumb OAN 11½"
- 1 Combination Square (not plastic) Stanley 46-123
- 1 Framing Square, Stanley 45-011 (must have octagon scale, rafter table, Essex board measure, brace table)
- 1 Coping Saw, Stanley 15-106, 6 3/4"
- 1 Block Plane, Stanley 12-960 (low angle)
- 4 Chisels, Stanley (1/4", 1/2", 3/4", 1")
- 1 Scratch Awl
- 1 Oilstone, Large Carborundum (reversible)
- 1 Nail sets, 1/32", 2/32", 3/32"
- 1 Putty Knife, 1-1/2"
- 1 Utility Knife, retractable, with extra blades
- 1 Chalk Box, 100' Irwin
- 1 Compass/Scriber
- 1 Sliding T-bevel, (plastic or wood handle)
- 1 Screwdriver, six-in-one with interchangeable bits
- 1 Nail Apron or Leather Pouches on Web belt
- 1 Set Drill Bits (1/16", 5/64", 3/32", 1/8", 3/16", 1/4") min.
- 1 1/2" Cordless Drill, Dewalt 20V or higher variable-speed, forward/reverse, DCD796D2
- 1 Set, Screwdriver Bits for 3/8" Drill incl. #1, #2 Phillips, Standard option, #25 Torx & #2 square
- 1 Pair Square Gauges
- 1 Needle Nose Pliers
- 1 4" Tapered Drywall Knife (not plastic)
- 1 6" Drywall Knife (not plastic)
- 1 Pliers, Vise-Grip or Side Cutter Pliers
- 1 Pocket Plane Stanley Surform/Drywall Rasp
- 1 25' Extension Cord with Optional Multiple Ends and GFCI, (12-3) or (14-3) Wire
- 1 Flatbar Nail Puller (Wonderbar), Stanley 55-515
- 1 Cats Claw Nail Puller (Sheeps Foot)
- 1 Foam Drywall Sanding Block (Sandflex) med. grit

- *1 #5 and #9 VIX Bit
- 1 1¼ x 8 Combination Countersink Stanley Screwmate
- 1 Set Speedbor Wood Bits, 6 pc. set, 3/8"-1"
- 1 9-Piece standard hex set
- 3 3M Disposable Dust Masks (at least 3)

ROUTER BITS WITH 1/4" SHANK

- 1 1/2" Straight Bit
- 1 45 Degree chamfer with bearing guide
- 1 Flush cut laminate bit with bearing guide
- 1 8 Degree bevel bit with bearing guide
- 1 1/4" Round over with bearing guide

OPTIONAL TOOLS FOR 1ST SEMESTER

- 1 Torpedo level - 9"
- 1 Speed Square
- 1 Hacksaw
- 1 100' Steel Tape
- 1 10" Adjustable Wrench
- 1 Hand Crosscut Saw, either a (20"), 8-11 pt. or a (26"), 8-11 pt.
- 1 48" Level
- 1 Framing Hammer 20-22 oz.
- 1 Sanding Block (wood, rubber or plastic)
- 1 20v Dewalt impact

SUPPLIES REQUIRED FOR 2ND SEMESTER

- *Drafting Kit

OPTIONAL TOOL FOR 2ND SEMESTER

- Windows 64-bit based laptop (this item will not be required for in-class use but will be used for drafting home work. >>>Do NOT purchase an Apple product as Apple does not run the Revit software used for drafting<<<

SUPPLIES REQUIRED FOR 3RD SEMESTER

- *ARC Welding Helmet - with #10 lens & 2 clear plastic lenses
- *Oxy-Fuel Face Shield - with #5 or #6 lens
- *A-87 Approved Safety Glasses w/Side Shields
- *Chipping Hammer with Brush or Chipping Hammer and Wire Brush
- *Welding Gloves

* May be purchased at the Campus Store.

Program	Credential	Location	Credit Hours Required	Resident Cost*	Non-Resident Cost*	Starting Term(s)	Number of Semesters Required - Full Time	Is Summer Term Required for Full Time?	Online Option	Can the Program be Completed Entirely Online?	Part-Time Option	Number of Semesters Required - Part Time	Is a summer term required for Part Time?	Typical Class Schedule
Carpentry and Cabinet Making	Certificate	Milford	16	\$3,113.60	\$3,449.60	Fall	2	No	Yes	No	Yes	Dependent on student's pace.	No	Monday-Friday, 8 a.m.-3 p.m.
Commercial Design and Estimating	Certificate	Milford	6.5	\$985.350	\$1,121.85	Spring	1	No	Yes	Yes	Yes	Dependent on student's pace.	No	Monday-Friday, 8 a.m.-3 p.m.
Construction Process	Certificate	Milford	12	\$2,758.01	\$3,010.01	Fall	1	No	Yes	No	Yes	Dependent on student's pace.	No	Monday-Friday, 8 a.m.-3 p.m.
Residential Design and Estimating	Certificate	Milford	7	\$1,095.15	\$1,242.15	Spring	1	No	Yes	Yes	Yes	Dependent on student's pace.	No	Monday-Friday, 8 a.m.-3 p.m.
Building Construction	Associate of Applied Science	Milford	61	\$9,522	\$10,803	Fall	4	No	Yes	No	No	N/A	N/A	Monday-Friday, 8 a.m.-3 p.m.

*Listed program costs are approximate and subject to change based on market price of books, supplies, tools, uniforms, etc. Estimated costs include tuition, fees, books, supplies, tools, uniforms, etc.