



Personality + Career

Students in SCC's Design & Drafting Technology program are good problem solvers and have strong analytical skills. They also are detail oriented, enjoy geometry and trigonometry, and possess a good sense of spatial awareness. The ability to work cooperatively with others and enjoy a flexible working environment are also important.

Program	Credential	What do students learn in the program?	What do students earn?	Career Opportunities	Are graduates prepared for/to complete exams for specific credentials/licensing/certifications at the end of the program?	Required Tools, Supplies, and Uniforms
Design & Drafting Technology – Designing Software Focus	Certificate	Students gain a comprehensive knowledge of and how to effectively use a number of design software packages, including Inventor, 3-D Civil CAD, Solidworks, Revit, and SDS/2. Knowledge of this software allows students to design both 2-D and 3-D designs.	New program. No salary data.	Design Technician	N/A	*see below
Design & Drafting Technology – Residential Design Focus	Certificate	Students study common building materials used in residential and light commercial construction, how to calculate heat loss and gain according to the ACCA Manual J, basic computer aided drafting, and how to estimate and calculate cost and quantities of materials needed for a project.	New program. No salary data.	Design Technician	N/A	*see below
Design & Drafting Technology – Intro to Design Focus	Certificate	Students will learn the principles of basic computer aided drafting and how to apply those concepts to design projects using the Inventor, Solidworks, and Revit software packages. Students will also study the concepts of related physics concepts in an applied manner.	New program. No salary data.	Design Technician	N/A	*see below
Design & Drafting Technology – Architectural Engineering Focus	Associate of Applied Science	Students learn 2-D design using AutoCAD, the Cartesian coordinate system, how to read construction prints, and about building materials, safety, design, and estimating. Students gain knowledge in heating, air conditioning, plumbing, electrical, and mechanical, concrete, and wood design and drafting, helping them learn to calculate size and design systems to safely and efficiently operate buildings. Students will also learn to conduct site surveys to prepare sites for construction and about the commercial estimation process.	\$19.15 per hour; \$39,832 annually	- Machine Programmers - GIS technicians - Designers - Quality Control & Testing - Layout Design	Opportunity to earn a certificate through SCC's Solidworks course and subsequent testing for use in the field of mechanical design.	*see below
Design & Drafting Technology – Computer Aided Drafting Focus	Associate of Applied Science	Students learn 2-D design using AutoCAD, the Cartesian coordinate system, how to read construction prints, and about building materials, safety, design, and estimating. Students develop 3-D design skills to create drawings to support architectural, mechanical, electrical/electronic, civil, structural steel, commercial interiors, and product designs. Students will learn to use Inventor, 3-D Civil, Solidworks, and SDS/2 software.	\$19.15 per hour; \$39,832 annually	- Machine Programmers - GIS technicians - Designers - Quality Control & Testing - Layout Design	Opportunity to earn a certificate through SCC's Solidworks course and subsequent testing for use in the field of mechanical design.	*see below

*Flash Drive and Scales (the program will provide students with additional information.) No uniform is required for this program. A personal computer is not required. If purchasing, do not choose an Apple product as design software is not supported.

» 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



In SCC's Design & Drafting Technology program, you'll learn the skills needed to design systems and parts for real world use. SCC's program offers students two areas to focus their skills and knowledge:

Architectural Design Focus: In this focus, students study design and construction methods in commercial and residential construction. They also learn how building systems work and connect structural, electrical, mechanical, lighting, acoustics, and other safety systems together to ensure a safe and efficient building. Graduates are prepared to work in the architectural and engineering industries.

Computer Aided Design Focus: In this focus, students use design and drafting software to create technical drawings and plans for parts, pieces, and products used in everyday life – including the engineering, construction, and manufacturing industries.

There is a high demand for skilled technicians, and our graduates are sought by employers around the country.

Program Contact Information

Dave Zachek, Program Chair

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✉ dzachek@southeast.edu

The SCC Experience

- » Students gain immediate hands-on experience in the SCC Design & Drafting Technology program. Students spend two-thirds of their time in lab using industry software such as Revit Building, Solidworks, and 3-D civil software. The other one-third of student's time is spent in the classroom learning theory from instructors with significant industry experience.
- » Students complete a 200-hour cooperative experience giving them on-the-job training and valuable networking opportunities. Cooperative experiences are paid, meaning that you'll earn-while-you-learn onsite at a local employer! Many cooperative experiences lead to full-time job opportunities for students.
- » The Design & Drafting Technology program's lab is equipped with high-tech computers, 3-D printers, a laser cutter, a mill, and a commercial drone. Students learn to use the same equipment and software that they will use in industry.
- » Design & Drafting Technology students have the opportunity to practice and showcase their skills as part of the SkillsUSA student organization. Students compete in real-life simulations and compete against other college chapters. This experience offers students additional hands-on experience, networking opportunities, and leadership skills.



Related Programs at SCC:

- Electronic Systems Technology
- Electrical/Electromechanical Technology
- Energy Generation Operations
- Manufacturing Engineering Technology
- Nondestructive Testing Technology
- Precision Machining and Automation Technology
- Technical Skills Instructor
- Welding Technology



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
Design & Drafting Technology - Designing Software Focus	Certificate	Lincoln	18	\$2,106	\$2,570	Fall, Spring	2	No	No	No	Yes	3-4	No	Monday - Thursday, 8 am- 4 pm and Fridays 8 am - Noon. Schedules vary each semester.
Design & Drafting Technology - Residential Design Focus	Certificate	Lincoln	17.5	\$2,047.50	\$2,484	Fall, Spring	2	No	No	No	Yes	3-4	No	Monday - Thursday, 8 am- 4 pm and Fridays 8 am - Noon. Schedules vary each semester.
Design & Drafting Technology - Intro to Design Software Focus	Certificate	Lincoln	15	\$2,255	\$2,415	Fall, Spring	2	No	No	No	Yes	3-4	No	Monday - Thursday, 8 am- 4 pm and Fridays 8 am - Noon. Schedules vary each semester.
Design & Drafting Technology - Computer Aided Design & Drafting Focus	Associate of Applied Science	Lincoln	63.5	\$10,929.50	\$12,263	Fall, Spring	4	No	No	No	Yes	7-8	No	Monday - Thursday, 8 am- 4 pm and Fridays 8 am - Noon. Schedules vary each semester.
Design & Drafting Technology - Architectural Design Focus	Associate of Applied Science	Lincoln	63.5	\$10,929.50	\$12,263	Fall, Spring	4	No	No	No	Yes	7-8	No	Monday - Thursday, 8 am- 4 pm and Fridays 8 am - Noon. Schedules vary each semester.

*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.