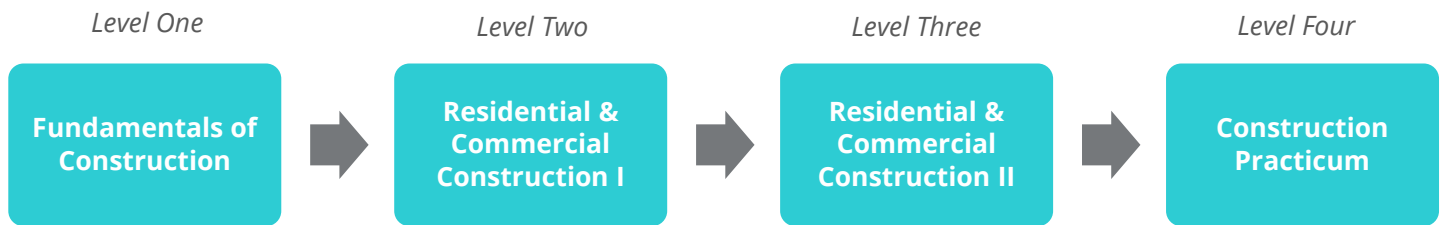


RESIDENTIAL & COMMERCIAL CONSTRUCTION

Architecture & Construction

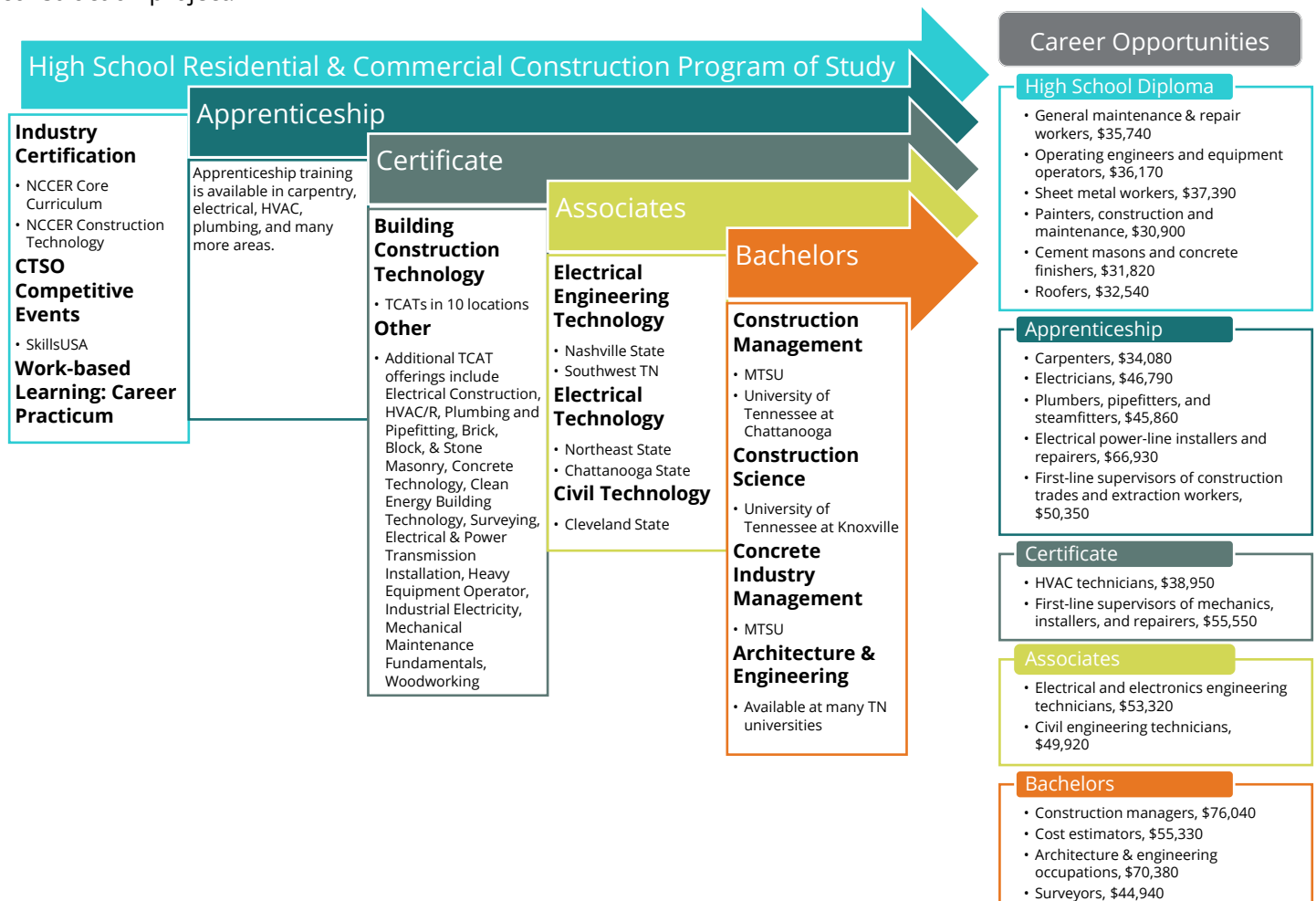


ABOUT THE PROGRAM OF STUDY

The Residential & Commercial Construction program of study prepares students for the various disciplines of construction, providing students with the opportunity to develop a holistic understanding of the building systems and components required for a construction project. Students will be able to interpret construction drawings, perform basic math skills, demonstrate the construction crafts required for each phase of a construction project and safely use and maintain appropriate tools, equipment, and resources to accomplish construction project goals. Course content covers industry specific business concepts, project management, and career opportunities. In the third level course, programs have the option to select a focus area. The fourth level course, *Construction Practicum*, places students with industry partners to complete a capstone construction project.

Industry certification options include:

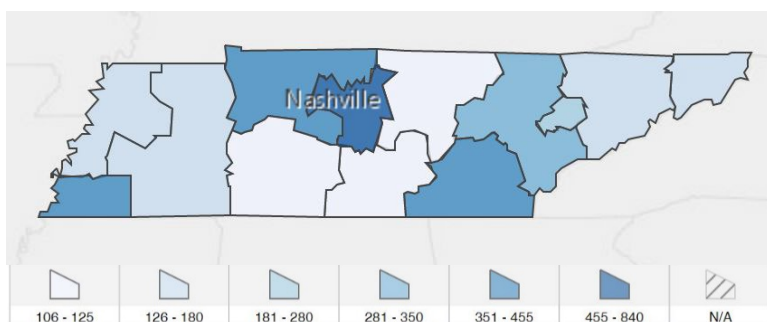
- NCCER Core Curriculum
- NCCER Construction Technology



CAREER OPPORTUNITIES

The construction and extraction occupation group is projected to grow by 10.8 percent in Tennessee between 2014 and 2022 with a total annual average of 3,205 openings. Within the installation, maintenance, and repair occupation group, an additional 3,120 total annual average openings are projected (not including vehicle installers and repairers). Opportunities are available in a broad range of occupations. Job outlook is positive in all regions of the state; however, more opportunities are available in urban and surrounding areas.

Annual Average Openings for Construction & Extraction Occupations in Tennessee (2014-2022)



Source: TN Department of Labor and Workforce Development. (2015). Employment Security Division, Labor Market Information Section, on the internet at <https://www.jobs4tn.gov/> (visited Feb. 10, 2016)

POSTSECONDARY OPTIONS



Have you registered for the Tennessee Promise? Seniors enrolled in this program have the chance to attend a two-year program at a Tennessee College of Applied Technology (TCAT),

community college, or some 2-year university programs for free! To learn more, please see your school counselor or visit <http://www.tennesseepromise.gov>.

School	Degree Program
TCAT Nashville	Building Construction Technology
TCAT Murfreesboro	HVAC/R
Cleveland State	Surveying
TCAT Paris	Residential Building Maintenance
Chattanooga State	Construction Management (concentration)
Chattanooga State	Construction Engineering Technology

For more college and career planning resources, visit <http://collegefortn.org>.

Construction Occupations with the Most Annual Average Openings in Tennessee (2014-2022)

Occupation	Total Percent Change	Annual Avg. Openings
Maintenance & Repair Workers, General	7.7%	880
Construction Laborers	12.9%	840
Electricians	9.0%	340
First-Line Supervisors of Mechanics, Installers, & Repairers	6.3%	335
HVAC/R Mechanics & Installers	10.9%	275
Construction Managers	4.6%	235
Civil Engineers	17.6%	215
Supervisors of Construction & Extraction Workers	9.2%	210
Carpenters	5.0%	200
Operating Engineers & Other Construction Equipment Operators	14.3%	185
Cost Estimators	11.9%	170
Sheet Metal Workers	14.4%	160
Electrical Power-Line Installers & Repairers	10.0%	155
Plumbers, Pipefitters, & Steamfitters	6.6%	140

Students in this program of study will be eligible to join SkillsUSA. In addition to school events, students will be able to compete at the regional, state, and national level. Through SkillsUSA, students not only learn about construction, but also professionalism, leadership, and workplace skills. Walk away from your high school career with experience in competing, networking, applying course content, and more!

See your teacher to learn more about SkillsUSA or visit <http://tnskillsusa.com/>.



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