

# Architecture and Construction

## High School Program of Study

**Coursework**  
Introduction to Construction  
Building Construction 1-4  
Tools  
Blueprints  
Framing & Roofing  
Exterior/Interior Finishing  
Footings and Foundations  
Electrical switches/circuits  
Plumbing tubing and systems  
Drainage systems  
A&C - WBC

**Industry Certifications**  
National Center for Construction Education and Research (NCCER)  
Carpentry, Core, Electricity, Masonry, Plumbing  
Residential Construction Academy (RCA) – Electrical  
Principals, Wiring

**Work-Based Learning**  
Internships / Apprenticeships  
Student Organizations  
Employability Skills

**Certificate**

**Trident Technical College**  
Architectural Drafting  
Construction Management  
Electrician: Construction  
Surveying

**Midlands Technical College**  
Architectural Systems and Codes  
Construction Engineer Technology  
Carpentry – Qualified Framer

**Associate's Degree**

**Trident Technical College**  
A.S. Civil Engineering Technology  
A.S. Electrician: Industrial and Construction  
A.S. Engineering Design Graphics

**Midlands Technical College**  
A.S. Civil Engineering Technology  
A.S. Building Construction Technology

**Bachelor's Degree**

**Clemson University**  
B.S. Architecture  
B.S. Civil Engineering  
B.S. Construction Science and Management

**South Carolina State University**  
B.S. Civil Engineering Technology  
B.S. Electrical Engineering Technology  
B.S. Professional Land Surveying

**University of South Carolina**  
B.S. Civil Engineering  
B.S. Physics

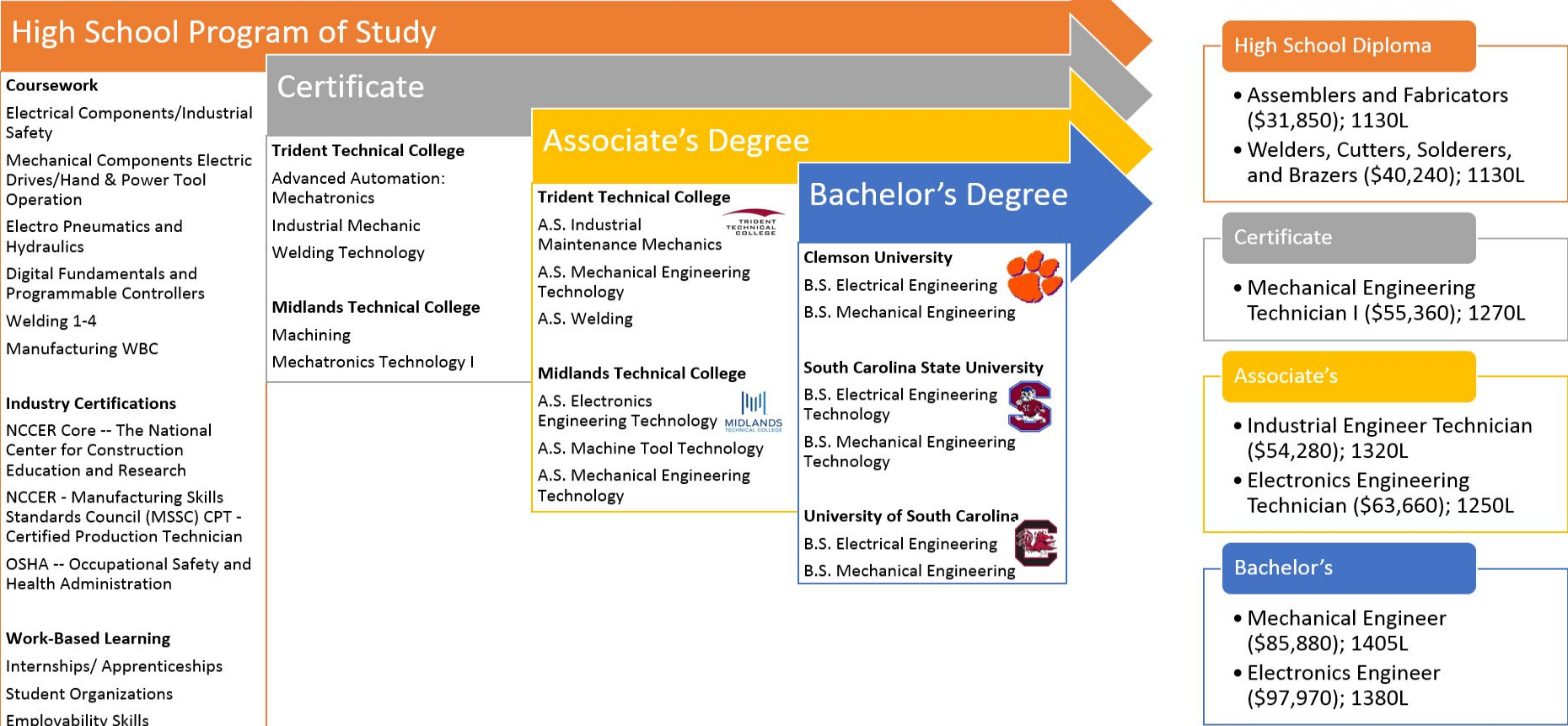
**High School Diploma**  
•Construction Laborers and Helpers (\$33,450); 1130L  
•Carpenter (\$45,170); 1130L  
•Construction Equipment Operators (\$46,080); 1130L

**Certificate**  
•Plumbers, Pipefitters, and Steamfitters (\$52,590); 1280L  
•Electrician (\$54,110); 1270L  
•Construction and Building Inspectors (\$59,090); 1130L

**Associate's**  
•Surveyor (\$61,140); 1395L  
•First-Line Supervisors of Construction Trades and Extraction Workers (\$64,070); 1130L

**Bachelor's**  
•Architect (\$78,470); 1420L  
•Civil Engineer (\$84,770); 1430L  
•Construction Managers (\$91,370); 1350L

# Advanced Manufacturing



# Information Technology

## High School Program of Study

### Coursework

(Advanced) Computer Repair and Service

(Advanced) Networking Fundamentals

Computer Programming

Fundamentals (Advanced) Web Page Design and Development

Game Design and Development

IT Fundamentals

Fundamentals of (Advanced) Cyber Security

Computer Science Principles

IT WBC

### Industry Certifications

Cisco Certified Entry Networking Technician

CompTIA A+ / Security Plus

Oracle – Database Design

Microsoft Technology Associate (MTA) Certification

Systems Security Certified Practitioner - SSCP from (ISC)

### Work-Based Learning

Internships / Apprenticeships

Employability Skills

## Certificate

### Trident Technical College

Business Information Systems

Cisco Certified Network Associate

CompTIA Systems Specialist

Computer Aided Design

Computer Animation

Database Administrator

Internet Programming

Linux Systems Administration

Microcomputer Programming

Microsoft Network Solutions

Multimedia Design

Network Security

### Midlands Technical College

Help Desk

LAN Networking Systems

Office Support Specialist

Routing and Networking Configuration

Web Design and Maintenance

## Associate's Degree

### Trident Technical College

A.S. Computer Programming

A.S. Information Systems Specialist



### Midlands Technical College

A.S. Administrative Office Technology



A.S. Computer Technology

A.S. Network Systems Management

## Bachelor's Degree

### Clemson University

B.S. Computer Engineering

B.S. Computer Information Systems

B.S. Computer Science



### South Carolina State University

B.S. Computer Science

B.S. Technology Education



### University of South Carolina

B.S. Computer Science / Computer Engineering

B.S. Educational Technology

B.S. Information Science

B.S. Integrated Information Technology



### High School Diploma

- Information Clerk (\$33,680); 1130L
- Health Information Technician (\$39,180); 1130L
- Web Developer (\$67,990); 1390L

### Certificate

- Computer Operator (\$44,270); 1355L
- Computer Support Specialist (\$52,810); 1390L

### Associate's

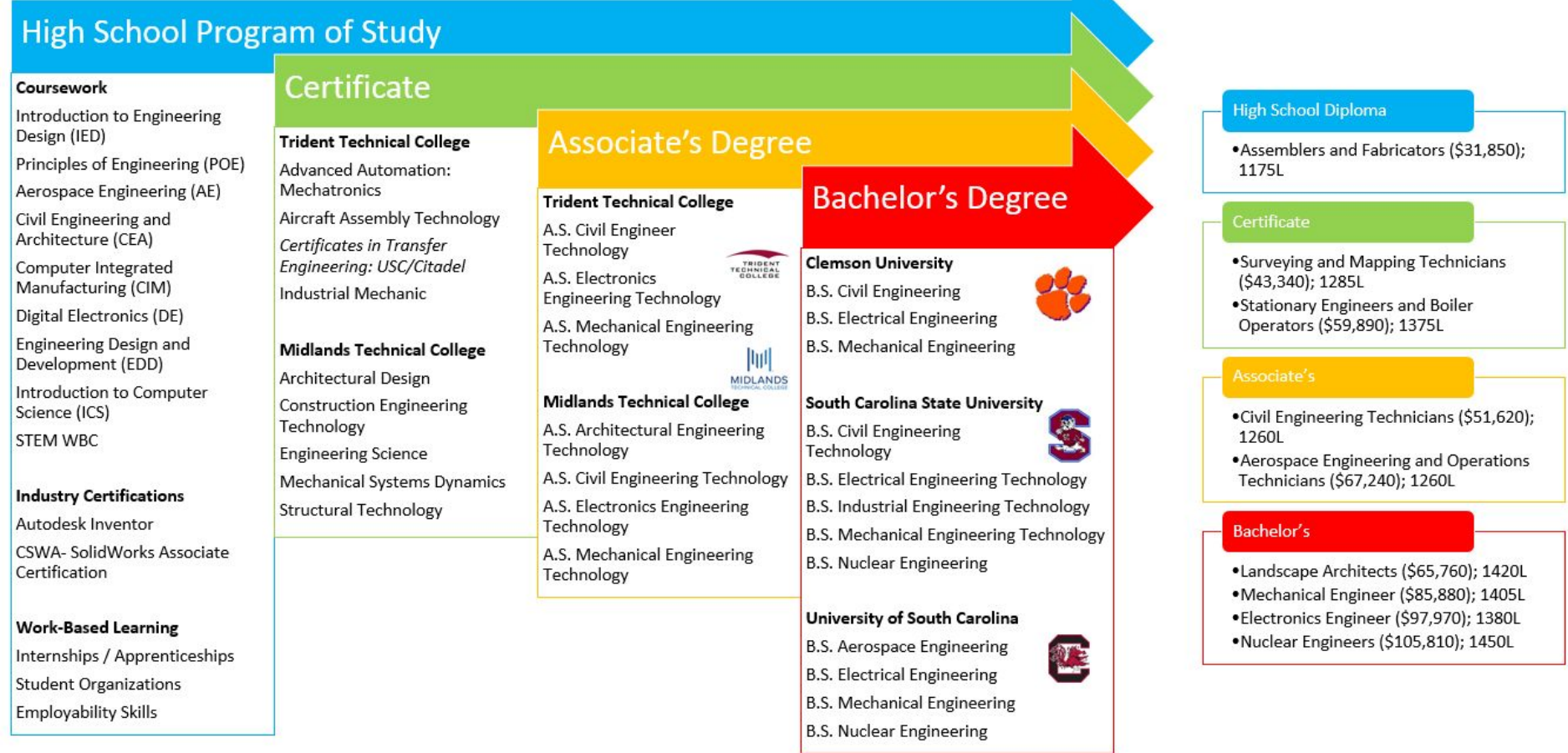
- Computer Network Support Specialist (\$62,670); 1410L

### Bachelor's

- Database Administrator (\$87,020); 1410L
- Information Security Analyst (\$95,510); 1415L
- Computer Hardware Engineer (\$115,120); 1410L



# Science, Technology, Engineering, and Math



# Health Science Technology

## High School Program of Study

**Coursework**

Health Science Technology  
Sports Medicine  
Human Body Systems  
Principals of Biomedical Sciences  
Biomedical Innovations  
Medical Interventions  
HST WBC

**Industry Certifications**

Certified Nurse Aide (CNA)  
Certified Patient Care Technician (CPCT)  
Emergency Medical Technician (EMT)  
Medical Billing and Coding Specialist (MBCS)  
Healthcare Providers Basic Life Support (BLS)  
OSHA -- Occupational Safety and Health Administration

**Work-Based Learning**

Internships / Apprenticeships  
Student Organizations  
Employability Skills

Certificate

**Trident Technical College**

Emergency Medical Technician  
Medical Office Specialist  
Paramedic  
Pharmacy Technician  
Pre-Nursing  
Sports and Health Nutrition

Associate's Degree

**Trident Technical College**

A.A.S. Dental Hygiene  
A.A.S. Emergency Medical Technology  
A.A.S. Health Information Management  
A.A.S. Medical Laboratory Technology  
A.A.S. Nursing  
A.A.S. Pharmacy Technician  
A.A.S. Physical Therapy Assistant  
A.A.S. Radiologic Technology  
A.A.S. Respiratory Care  
A.A.S. Sports and Health Nutrition

**Clemson University**

B.S. Bioengineering  
B.S. Biological Sciences  
B.S. Health Science  
B.S. Microbiology

**South Carolina State University**

B.S. Biology Education  
B.S. Nursing  
B.S. Nutrition/Food Management  
B.S. Professional Biology

**University of South Carolina**

B.S. Biochemistry and Molecular Biology  
B.S. Cardiovascular Technology  
B.S. Exercise Science  
B.S. Pharmacy

High School Diploma

- Emergency Medical Technician (\$32,670); 1250L
- Medical Lab Assistant (\$32,480); 1280L

Certificate

- Pharmacy Technician (\$31,750); 1380L
- Medical Laboratory Technician (\$38,950); 1280L

Associate's

- Dental Assistant (\$37,630); 1420L
- Surgical Technologist (\$46,310); 1410L

Bachelor's

- Registered Nurse (\$73,550); 1315L
- Occupational Therapist (\$83,200); 1340L
- Biomedical Engineer (\$88,040); 1455L
- Chemical Engineer (\$102,160); 1375L