

## Construction & Design Academy

### Description

If you will be a sophomore and enjoy the process of designing and constructing, then Tulsa Tech's Construction & Design Academy may put you on a path toward a career in this field. Students will gain experience in a variety of trades which include drafting, electricity, HVAC/R, carpentry, masonry, plumbing, welding, horticulture, and interior design. During the course of study, students will have the opportunity to earn industry respected certifications as they study and develop skills practicing general and trade specific safety, hand and power tool usage, basic rigging, and blueprint reading. In addition, students will earn the required high school credit for math while learning how the concepts of math are applied to real world experiences in the various trades of the design and construction industry. Strong industry support of this program will ensure that students will experience several tours of actual job sites and study the career pathways of the Construction & Design industry as they develop the interest and skills required to successfully obtain employment in this field.

- Safely operate a vast array of hand, power & air actuated tools & equipment
- Use the same design, drafting, & construction technologies as industry professionals
- Explore a wide range of construction & design programs while receiving academic credit

### College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

### Credential/Industry Certifications

National Center for Construction Education and Research (NCCER) - Construction Core

### Career Majors/Courses

#### Architectural & Construction Academy

##### Courses

Construction Core  
 Drafting Fundamentals  
 Carpentry Fundamentals  
 Electricity Fundamentals  
 HVAC Fundamentals  
 Masonry Fundamentals  
 Architectural & Construction Design Geometry\*\*

*\*\*Math component taught & academic credit awarded by Sand Springs Charles Page High School*

### Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit [www.tulsatech.edu/jobconnect](http://www.tulsatech.edu/jobconnect) / email [jobconnect@tulsatech.edu](mailto:jobconnect@tulsatech.edu).

2010-2011 year completion & placement data per Oklahoma Department of Career and Technical Education guidelines:

- Total Enrolled: 24
- Completion: 83%
- Completed on-time: 100%
- Job Placement: N/A
- Returning Students: 0%
- OPE ID: 005311 / CIP: 46.0201

### Campus Location

#### Charles Page High School

500 Adams Road  
 Sand Springs, OK 74063  
 (918) 246-1500  
 FAX (918) 828-1513

### Area Salary

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Salary information can be found at The Occupational Information Network (O\*NET) Resource Center at <http://www.onetonline.org/>. O\*NET-SOC Code: 47-3019.00 / 47-3011.00 / 47-3012.00

### Who Can Attend?

Charles Page H.S. 10th grade students only

### Tuition/Fees/Books

- Tuition: N/A\*
- Lab & Required Fees: N/A\*
- Additional Required Costs: N/A\*\*
- Optional Fees: \$13

*\*High school students living in the Tulsa Tech school district are not charged tuition, fees & books.*

*\*\*Additional required costs: books, equipment, tools, uniforms & supplies.*

### Scheduling Information

#### H.S. / 1 school year:

August - May

#### H.S. sessions:

11:50 - 2:50p (PM session only)

Check with Admissions Office at 918-828-5260 for start dates.

### Application Process

Apply ON-LINE at [www.tulsatech.edu/apply](http://www.tulsatech.edu/apply). Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.