

AUTRY

TECHNOLOGY CENTER
THE WORKFORCE CAPITAL®

POWERED BY
career tech

COMPUTER-AIDED DRAFTING & DESIGN

\$18-42 PER HOUR
(OK SALARY RANGES)

✔ **To prepare individuals to enter industry in the fields of architectural, mechanical, pipe and civil drafting and design.**

Learn drafting and design basics and beyond. Emphasis is placed on the theoretical and practical approach to engineering drawing with instruction covering basic techniques such as architectural drafting, illustration and Computer-Aided Drafting & Design (CADD).

CAREERS AVAILABLE IN THE INDUSTRY:

- Architectural firms
- Petroleum industry
- Computer-aided manufacturing
- Steel construction industry
- Equipment manufacturing
- 3-D modeling and design
- Engineering firm

LICENSURE / CERTIFICATIONS:

American Design and Drafting Association

- Certified Apprentice Drafter- Architectural
- Certified Apprentice Drafter- Mechanical
- Certified Solidworks Associate- Academic
- Certified User AUTOCAD
- Inventor Certified User
- Revit Architecture Certified User



"I've always loved design and building. Autry Technology Center offered the perfect program for me that combined both of these things!"

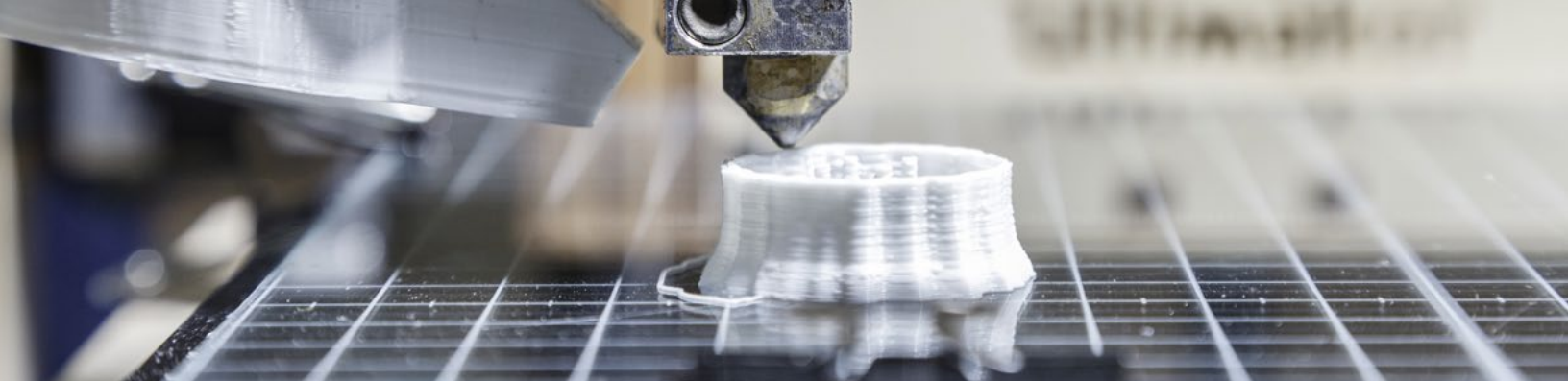
-Kimberly H.

CONTACT STUDENT SERVICES
for current tuition rates
and enrollment information.
580.242.2750

✔ Oklahoma's Promise Availability

**Tuition is free for in-district high school students.
Tuition for in-district adults is \$2.00/hour.**

***2019 Oklahoma salary ranges were obtained from O*Net OnLine**



COURSE LENGTH/IN-DISTRICT TUITION AND COSTS

Aug-May	M-F M-F	High School: 8:15-10:45am/12:30-3:15pm Adult: 8:15-11:15am/12:30-3:30pm
Tuition:	In-District / Out-of -District	\$1050 / \$2100 Half Day or \$2100/ \$4200 Full Day
Who can enroll:	Adults and High School Juniors & Seniors	
Additional cost:	Books and supplies for adults are approximately \$0	

HIGHLIGHTS

- Mechanical drafting
- Architectural drafting
- Pipe drafting
- Civil drafting
- 3-D modeling
- Animation

AREAS OF INTEREST & HELPFUL SKILLS

- Communication skills
- Creativity
- Good work ethic
- Hand-eye coordination
- Finger dexterity
- Consideration of customer needs
- Willingness to stay current in training
- Math and science skills

APPLICATION POLICY

Incoming **high school juniors and seniors** make application for Autry enrollment during their high school spring and/or fall enrollment (**in-district only**).

In-district adults can make application throughout the year and will be considered for enrollment following the completion of in-district high school enrollments. Out-of-district adults will be considered after completion of in-district adult enrollment.

ADMISSION PROCEDURES

After submitting an online application and in order to be considered for enrollment, the following information will be collected and scored in a rubric:

HIGH SCHOOL STUDENTS

- Attendance
- Current high school transcript with cumulative GPA
- Test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

GRADUATING IN-DISTRICT SENIORS

- Complete high school transcript with final GPA
- Test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

ADULTS

- Successful college hours or current test scores (Pre-ACT, ACT, PSAT, SAT, or Next-Generation Accuplacer)
- 2 interview questions

Adults applying for admission must take the Next-Generation Accuplacer assessment if successful college hours or current standardized testing is not available. An Autry career counselor will interpret the assessment results to determine interest and suitability for enrollment.

ENROLLMENT INFORMATION

Financial Aid: Financial aid options are available for qualified students. Contact the financial aid office at Autry Technology Center for more information.

Autry Scholarship: This scholarship is available to high school graduates who: (1) live in the Autry Tech district (2) lived in the Autry Tech district their senior year in high school, and (3) meet enrollment guidelines. This scholarship covers 100% tuition for up to three years immediately following high school graduation. The cost of books and supplies is the responsibility of the student. Scholarship eligibility will be reviewed each semester.

Tuition: In-district high school students pay no tuition for full-time career programs. In-district adult students pay in-district rates. In-district adults are defined as post-secondary individuals who have established legal/permanent residence in the Autry Tech district. All others pay out-of-district rates.

Expenses: May include, but are not limited to, textbooks and supplies available at <http://autrytech.edu/student-services/books-supplies/>.

autrytech.edu



COMPUTER AIDED DRAFTING & DESIGN

- **EMPLOYMENT OPPORTUNITIES**

The Job Developer with Autry Technology Center works diligently to match students with jobs available in industry. Any questions regarding current employment opportunities should be directed to the Job Developer.

- ¶ **SALARY RANGE**

Listed below is the salary range in Oklahoma for Computer Aided Drafting & Design is obtained from O*Net OnLine.

2019			
	Lowest 10%	Median	Highest 10%
Hourly	\$18.15	\$28.84	\$41.98
Annually	\$37,750	\$59,980	\$87,320

- **OCCUPATIONAL CHARACTERISTICS**

(Information obtained from the US Dept. of Labor Statistics Occupational Outlook Handbook)

Drafters prepare technical drawings and plans, which are used to build everything from manufactured products such as toys, toasters, industrial machinery, and spacecraft to structures such as houses, office buildings, and oil and gas pipelines.

In the past, drafters sat at drawing boards and used pencils, pens, compasses, protractors, triangles, and other drafting devices to prepare a drawing by hand. Now, most drafters use Computer Aided Design and Drafting (CADD) systems to prepare drawings. Consequently, some drafters may be referred to as CADD operators.

With CADD systems, drafters can create and store drawings electronically so that they can be viewed, printed, or programmed directly into automated manufacturing systems. CADD systems also permit drafters to quickly prepare variations of a design. Although drafters use CADD extensively, it is only a tool. Drafters still need knowledge of traditional drafting techniques, in addition to CADD skills. Despite the nearly universal use of CADD systems, manual drafting and sketching are used in certain applications.

- **ACCREDITATIONS**

Oklahoma Board of Career and Technology Education
Oklahoma State Department of Education

INSTRUCTOR(S)



TODD ANDERSON

Todd Anderson enjoys seeing students gain new insights, become more interested in a subject, and learn about themselves. Todd has a bachelor's degree in CTED (Career and Technical Education) from Oklahoma State University. He is certified in AutoCAD, Standard Teaching and NOCTI Certification of Completion in Drafting. Todd has worked as a Career and Technology Education instructor since 2001.

Anderson was recognized in 2015 for the Career and Technical Education Innovation Award presented at the White House. In 2014 he was an Oklahoma SkillsUSA Advisor of the year nominee.