The mechanical design technology associate of applied science degree program prepares graduates for entry-level careers as engineering design technologist. Courses within the program include technical design applications, computer-aided design software and customization, solid modeling design, applied strength of materials, statics, technical specialty courses, and general academic courses.

The mechanical design technology associate of applied science degree is awarded for successful completion of the 60 semester credit hours required in degree plans. Students specialize in Mechanical Design Technology Design. Students desiring a less comprehensive program may consider the computer-aided design operator/drafting certificate. This certificate program includes 30 semester credit hours of required technical courses.

Graduates of the mechanical design technology associate of applied science degree possess the technical skills and knowledge to perform essential design layout, prepare supporting documentation, and create finished engineering documentation for production in the engineering or manufacturing industries. A wide variety of employment opportunities are available to graduates.

FOR MORE INFORMATION:
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Programs At-A-Glance

Mechanical Design Technology AAS
Available at LSC-CyFair and LSC-North Harris
LoneStar.edu/Mechanical-Engineering-Technology-AAS

Median Wage: $61,994

Available at LSC-CyFair and LSC-North Harris

## Mechanical Design Technology AAS

### Complete your Mechanical Design Technology AAS in 2 years!

For more information on gainful employment, visit [LoneStar.edu/GainfulEmployment](http://LoneStar.edu/GainfulEmployment).

- **AutoCAD Draftsman Certification**
- **Certificate II**
  - 30 Credits
  - Technical Drafting
  - Basic Computer-Aided Drafting
  - Technical Electives (4)
  - Intermediate Computer-Aided Drafting
  - Solid Modeling & Design
  - Advanced Tech Mechanical Design
  - Co-op Engineering Tech Technician OR Final Project - Advanced Drafting
- **AAS Degree**
  - 60 Credits
  - Manufacturing Materials & Processes
  - College Algebra
  - Composition & Rhetoric
  - Machine Drafting
  - Trigonometry
  - Statics
  - Humanities/Fine Arts Elective
  - Social/Behavioral Science
  - Speech Elective
  - Strength of Materials
- **Corporate College**
  - SolidWorks
  - Professional development opportunities are available for additional training and licensure.

### Representative career titles and job positions for this program plan include:

- **CAD Designer**
  - (Computer Aided Design Designer)
- **Mechanical Designer**

### Wage Data

1. **Median Wage**: $61,994

2. **Position titles vary by employer and location.**

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LoneStar.edu/Mechanical-Design-Technology-AAS