Program Description
Engineering Design Technology is an interdisciplinary curriculum that prepares graduates for a variety of positions in manufacturing design. All students complete a core set of courses selected to provide a well-rounded understanding of design. Topics include hands-on instruction in current technical competency areas including Computer Aided Drafting (CAD), Machine and Tool Design, 3D Solid Modeling, CATIA. CATIA are taught in conjunction with the National Institute of Aviation Research (NIAR). O-NET Code:17-3013

Visit our Campus!
We will cover everything you will need to know about:

- How the engineering design program works
- Assist with completing our WSU Tech application
- Give information about enrollment and the FAFSA application
- Tour of campus and programs

To schedule an appointment, call 316-677-9680

This program is accredited by HLC and Kansas Board of Regents. More information at: http://wsutech.edu/get-started/

<table>
<thead>
<tr>
<th>Type of Degree/Certificate</th>
<th>Day/Evening</th>
<th>Length Based on Average Rate of Completion</th>
<th>Hours**</th>
<th>*Cost</th>
<th>Financial Aid Eligible</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAS - Engineering Design</td>
<td>Day</td>
<td>2 years</td>
<td>M-F 8am – 11am 12pm – 3pm</td>
<td>$14,388</td>
<td>Yes</td>
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<tr>
<td>AAS - Engineering Design</td>
<td>Evening</td>
<td>3 Years</td>
<td>M-Th 5:30-9:30pm</td>
<td>$14,388</td>
<td>Yes</td>
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<tr>
<td>TC – Mech. Eng. Design</td>
<td>Day</td>
<td>1½ Years</td>
<td>M-F 8am – 11am 12pm – 3pm</td>
<td>$11,739</td>
<td>Yes</td>
</tr>
<tr>
<td>TC – Mech. Eng. Design</td>
<td>Evening</td>
<td>2 Years</td>
<td>M-Th 5:30-9:30pm</td>
<td>$11,739</td>
<td>Yes</td>
</tr>
<tr>
<td>COC - AutoCAD</td>
<td>Day</td>
<td>6 months</td>
<td>M-F 8am – 11am 12pm – 3pm</td>
<td>$4,908</td>
<td>No</td>
</tr>
<tr>
<td>COC – AutoCAD</td>
<td>Evening</td>
<td>10-12 months</td>
<td>M-Th 5:30-9:30pm</td>
<td>$4,908</td>
<td>No</td>
</tr>
<tr>
<td>COC—CATIA Mech. Design</td>
<td>Day</td>
<td>6 months</td>
<td>M-F 8am-5pm</td>
<td>$3,652</td>
<td>No</td>
</tr>
<tr>
<td>COC—CATIA Mech. Design</td>
<td>Evening</td>
<td>10 months</td>
<td>M-Th 5:00-9:00pm</td>
<td>$3,652</td>
<td>No</td>
</tr>
</tbody>
</table>

Costs are approximate and subject to change. Costs include Tuition and Student Fees (Books and online class fees are not included in amount). **Day classes are 8:00am – 11am, 12pm – 3pm, and 5:30pm – 9:30pm for AutoCAD classes. CATIA classes are 8am – 11am, 1pm – 5pm, and 5pm – 9pm. Class schedules and availability are subject to change. For the latest information, please visit: https://wsutech.edu/engineering-design-technology/

Rev. 1/8/2020
Frequently Asked Questions

How do I get started?
Begin by applying to the college at wsutech.edu/apply. After applying, talk with our admissions counselor about the program or financial aid information. Our academic advisor will enroll you in the next available classes. Schedule an appointment by calling 316-677-9680 or by going online to wsutech.edu/admissions/contact-an-advisor.

What wage can someone expect to make with this program?
*According to the Bureau of Labor Statistics (May 2017); Mean wages for individuals in this field in Wichita is $54,580. This is a regional occupation so salaries increase and decrease based on location. Entry level education for this field is high school diploma.
*Source: https://www.bls.gov/oes/current/oes173013.htm May 2017

Are tools or books required for this program?
The latest version of AutoCAD and the latest version of CATIA. Student versions of both programs are available from the software manufacturer. The technical classes will be in a computer lab classroom so you will not need a digital device for those classes. You will need a digital device (tablet or laptop) for the general education classes.
The average cost for technical books in this program is $400. General education textbooks for this program will cost around $730.

What makes WSU Tech’s Engineering Design program different than others in the state?
You will learn the latest techniques of the design process here at WATC. Our National Center of Aviation Training is one of the nation’s top learning facilities. We have an articulation agreement with Wichita State University where our students can go directly from our program to WSU’s Engineering bachelor's degree programs. We also have an articulation agreement with Pittsburg State University. This program aligns with WSU’s Engineering Technology degrees. Please meet with our academic advisor for more details on transferability of WSU Tech and WSU credits.

Engineering Design Program Contacts:
Admission Counselor: Marcus Hernandez
mhernandez12@wsutech.edu 316-677-1032
Academic Advisor: Jonathan Standridge
jstandridge@wsutech.edu 316-512-7425

Gainful Employment Information

Questions For Our Instructors?
AutoCAD Instructors
Jeremy King: jking@wsutech.edu
Jesse Schniepp: jschniepp@wsutech.edu

CATIA Instructors
Paul Von Itter: pvonitter@wsutech.edu
Kurt Foley: kfoley@wsutech.edu
Michael Milhorn: mmilhon@wsutech.edu
Program Description
AutoCAD (Computer Aided Design) is one of the leading drafting programs in the world. It is used in several industries including: Architecture, Engineering (Civil, Manufacturing, Mechanical, Process, and Structural), Interior Design, Mapping, and Transportation. All students complete a core set of courses selected to provide a well-rounded understanding of design. Topics include: Computer Aided Drafting (CAD), Machine and Tool Design, and 2D/3D Solid Modeling.

Visit our Campus!
We will cover everything you will need to know about:

- How the AutoCAD program works
- How to apply for admission and complete the enrollment process
- How to apply for financial aid

To schedule an appointment, call 316-677-9680

<table>
<thead>
<tr>
<th>Type of Degree/Certificate</th>
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<th>Length Based on Average Rate of Completion</th>
<th>Hours**</th>
<th>*Cost Tuition/Fees</th>
<th>Financial Aid Eligible</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC – Technical Certificate</td>
<td>Day</td>
<td>6 months</td>
<td>M-F 8am – 11am 12pm - 3pm</td>
<td>$4,908</td>
<td>No</td>
</tr>
<tr>
<td>TC – Technical Certificate</td>
<td>Evening</td>
<td>10 - 12 months</td>
<td>M-Thurs 5:30-9:30pm</td>
<td>$4,908</td>
<td>No</td>
</tr>
</tbody>
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*Costs are approximate and subject to change. Costs include tuition and fees for all classes including prerequisites (Books and online class fees are not included in amount). Class schedules and availability are subject to change. For current info, please visit: https://wsutech.edu/engineering-design-technology/

AutoCAD Design Program Contacts:
Admission Counselor: Marcus Hernandez mherandez12@wsutech.edu 316-677-1032
Academic Advisor: Jonathan Standridge jstandridge@wsutech.edu 316-512-7425

Program Start Dates:
Primary start dates are: August (Fall) and January (Spring). General education classes can be taken: March, June, and October.

This program is accredited by HLC and Kansas Board of Regents. More information at: http://wsutech.edu/get-started/
**Frequently Asked Questions**

**Are tools or books required for this program?**

There are no tools or special software required for the program. There are student versions of the software that are available from the software manufacturer. Please consult your instructor for more information. We advise all students to have a flash drive to save their work. Book costs for this program are approximately $510.

**What certifications or career opportunities can I achieve at WSU Tech?**

This chart can help explain the order of the classes for the certificate. The classes are designed to cover all of the different aspects of AutoCAD. The last class, Advanced AutoCAD, assumes a student has all the basic knowledge of the five previous classes taught in the program. If a student feels they have that knowledge, they can consult with the instructor about an opportunity to advance straight to the advanced class. All of the classes are required for the certificate of completion.

<table>
<thead>
<tr>
<th>1st set of Technical Classes</th>
<th>2nd set of Technical Classes</th>
<th>General Education Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to CAD I and II</td>
<td>Machine Drafting and Design*</td>
<td>Blueprint for Personal Success</td>
</tr>
<tr>
<td>Blueprint Reading for Drafting</td>
<td>Advanced AutoCAD</td>
<td>Intermediate Algebra</td>
</tr>
<tr>
<td>Precision Measuring*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Descriptive Geometry*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Classes are prerequisite classes for the AutoCAD certificate.

**How do I get started?**

Begin by applying to the college at wsutech.edu/apply. After applying, talk with our admissions counselor about the program or financial aid information. Our academic advisor will enroll you in the next available classes. Schedule an appointment by calling 316-677-9680 or by going online to wsutech.edu/admissions/contact-an-advisor.

**What wage can someone expect to make with this program?**

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*Source: https://www.bls.gov/oes/current/oes173013.htm May 2017

**Questions for Our Instructors?**

Jeremy King  
jking@wsutech.edu

Jesse Schniepp  
jschniepp@wsutech.edu
**CATIA Design at a Glance**

**Program Description**
CATIA (Computer Aided 3-dimensional Interactive Application) is one of the leading 3D modeling and drafting programs in the world. It is used in several industries including: Aerospace, Automotive, Shipbuilding, Industrial, High Tech, Energy/Public Works, Retail, Architecture, and Petroleum. WATC offers two different certificates in CATIA: CATIA Engineering Design and CATIA Machining. Our CATIA classes are taught in conjunction with the National Institute of Aviation Research (NIAR). O-NET Code:17-3013.00

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**Visit our Campus!**
We will cover everything you will need to know about:
- How the CATIA program works
- How to apply for admission and complete the enrollment process
- How to apply for financial aid

**To schedule an appointment, call 316-677-9680 or go online to wsutech.edu/admissions/contact-an-advisor**

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<th>Hours**</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CATIA Mech. Design</td>
<td>Day</td>
<td>6 months</td>
<td>M-F 8am-5pm</td>
<td>$3,652</td>
<td>No</td>
</tr>
<tr>
<td>CATIA Mech. Design</td>
<td>Evening</td>
<td>10 months</td>
<td>M-Th. 5:00-9:00pm</td>
<td>$3,652</td>
<td>No</td>
</tr>
</tbody>
</table>

Costs are approximate and subject to change. Costs include Tuition and Student Fees (Books, Online Class Fees and Digital Device not included in amount). **CATIA classes have morning (8am – 11am), afternoon (12pm – 3pm), and evening options (5pm – 9pm). Class schedules and availability are subject to change. For the latest information, please visit: https://wsutech.edu/engineering-design-technology/

**CATIA Design Program Contacts:**
- Admission Counselor:
  - Marcus Hernandez
  - m hernandez12@wsutech.edu
  - 316-677-1032
- Academic Advisor:
  - Jonathan Standridge
  - j standridge@wsutech.edu
  - 316-512-7425

**Program Start Dates:**
Primary start dates are: August (Fall) and January (Spring).
General education classes are not required for the certificate.

This program is accredited by HLC and Kansas Board of Regents. More information at: http://wsutech.edu/get-started/
**Frequently Asked Questions**

**Are tools or books required for this program?**

There are no tools or special software required for the program. WSU Tech uses the latest revision of CATIA (version 6). Student versions of the programs are available from the software manufacturer. Please check software developer for the latest student version. The books are included as part of the program’s costs and supplies.

**How do the CATIA lab and lecture schedule work?**

Twice a week, the CATIA lecture instructor will teach the class for 2 hours. On the opposite days of the week, students will attend a computer lab version of the class. Each scheduled lab time is schedule specifically for students in that class. If a student wants to work outside of lab hours, there are open labs that they can use. The open labs will not have any instructor led support. Please check out the chart below for the suggested order of CATIA classes.

**How do I get started?**

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**Questions for Our Instructors?**

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paul Von Itter</td>
<td><a href="mailto:pvonitter@wsutech.edu">pvonitter@wsutech.edu</a></td>
</tr>
<tr>
<td>Kurt Foley</td>
<td><a href="mailto:kfoley@wsutech.edu">kfoley@wsutech.edu</a></td>
</tr>
<tr>
<td>Michael Milhorn</td>
<td><a href="mailto:mmilhorn@wsutech.edu">mmilhorn@wsutech.edu</a></td>
</tr>
</tbody>
</table>

**Course Schedule**

<table>
<thead>
<tr>
<th>1st Semester 1st 8 Weeks</th>
<th>1st Semester 2nd 8 Weeks</th>
<th>2nd Semester 1st 8 Weeks</th>
<th>2nd Semester - 2nd 8 Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>CATIA - Parts and Sketcher</td>
<td>CATIA - Assembly Design*</td>
<td>CATIA - Prismatic Machining</td>
<td>CATIA - Drafting (Optional)</td>
</tr>
<tr>
<td>CATIA - Drafting*</td>
<td></td>
<td>CATIA - Functional/ Tolerancing</td>
<td>CATIA Wireframe &amp; Surfacing</td>
</tr>
<tr>
<td>*Day students can take both classes at the same time</td>
<td></td>
<td>CATIA Wireframe &amp; Surfacing</td>
<td>CATIA Surface Machining (Day Only)</td>
</tr>
</tbody>
</table>