MAGNETIC RESONANCE IMAGING
This two-year full-day adult program trains students to become highly-trained electronic technicians. Electronic technicians install, troubleshoot, maintain and repair automated equipment controlled by electrical, electronic and computer systems used in a wide variety of applications, such as industrial robots and automated controls. High demand areas include: petroleum, manufacturing, medical equipment, renewable energy, food processing, aerospace, defense and telecommunications.

Contact Student Services for current tuition rates and enrollment information.
580.242.2750

“Electronics prepares me with skills to find employment after I complete my hours of instruction and allowed me to gain 46 hours of credit towards my college education.”
- Austin H

AUTRY TECHNOLOGY CENTER
autrytech.edu

FIND YOUR POSSIBILITY
ENDLESS POSSIBILITIES
COURSE LENGTH
August-May  Monday-Friday
Adult Students:  Full Day:  8:15-11:15am and 12:30-3:30pm

ADULT IN-DISTRICT COSTS
1040 (Half-day tuition)  2080 (Full-day tuition)
969 (Approx. cost of books, supplies, etc.)

WHO CAN ENROLL
Adults

HIGHLIGHTS
- Analog and digital circuits
- Programmable logic controllers
- Hydraulics/pneumatics
- Process control
- Computer aided design/computer aided manufacturing
- Electrical sensors
- Motor control
- CNC machining
- Quality control
- Robotics

AREAS OF INTEREST & HELPFUL SKILLS
- Normal color perception
- Ability to climb ladders and work at heights
- Possess average strength and intelligence
- Tolerate small and enclosed spaces
- Ability to work in teams

APPLICATION POLICY
Adults make application for enrollment following the completion of high school spring enrollment (in-district only). Out-of-district adults may make application for enrollment after the completion of in-district enrollment.

ADMISSION PROCEDURES
Graduating seniors submit standardized test results, attendance records, and transcripts with their application forms. Before being admitted, a career counselor will interpret the results of standardized tests and review transcripts, attendance, and behavior to determine interest and suitability for enrollment. If current standardized testing is not available, a KeyTrain® assessment may be required. A personal interview will be conducted with each applicant.

Adults applying for admission must take the KeyTrain® assessment if current standardized testing is not available. An Autry career counselor will interpret the results of the assessment to determine interest and suitability for enrollment. A personal interview will be conducted with each applicant.

ENROLLMENT INFORMATION
Financial Aid: There are financial aid options 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 district (2) lived in the Autry 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 Garfield County. All others pay out-of-district rates.

Expenses: Expenses may include, but are not limited to, textbooks and supplies.
0.1 **Licensure / Certifications**
None

0.2 **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.

0.3 **Salary Range**

*Listed below is the salary range in Oklahoma for Electronic Systems obtained from O*Net OnLine.*

<table>
<thead>
<tr>
<th>Salary</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lowest 10%</td>
</tr>
<tr>
<td>Hourly</td>
<td>$15.81</td>
</tr>
<tr>
<td>Annually</td>
<td>$32,900</td>
</tr>
</tbody>
</table>

0.4 **Occupational Characteristics**

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

Imagine an automobile assembly line: a large conveyor system moves unfinished automobiles down the line, giant robotic welding arms bond the different body panels together, hydraulic lifts move the motor into the body of the car, and giant presses stamp body parts from flat sheets of steel. All of these machines—the hydraulic lifts, the robotic welders, the conveyor system, and the giant presses—sometimes break down. When the assembly line stops because a machine breaks down, it costs the company money. Industrial machinery mechanics and machinery maintenance workers maintain and repair these very different, and often very expensive, machines.

The most basic tasks are performed by machinery maintenance workers. These employees are responsible for cleaning and lubricating machinery, performing basic diagnostic tests, checking performance, and testing damaged machine parts to determine whether major repairs are necessary. In carrying out these tasks, maintenance workers must follow machine specifications and adhere to maintenance schedules. Maintenance workers may perform minor repairs, but major repairs are generally left to machinery mechanics.

Industrial machinery mechanics, also called industrial machinery repairers or maintenance machinists, are highly skilled workers who maintain and repair machinery in a plant or factory. To do this effectively, they must be able to detect minor problems and correct them before they become major. Machinery mechanics use technical manuals, their understanding of the equipment, and careful observation to discover the cause of the problem. For example, after hearing a vibration from a machine, the mechanic must decide whether it is due to worn belts, weak motor bearings, or some other problem. Mechanics need years of training and experience to diagnose problems, but computerized diagnostic systems and vibration analysis techniques provide aid in determining the nature of the problem.

0.5 **Accreditations**

Oklahoma Board of Career and Technology Education

0.6 **Instructor(s)**

Monte Roggow

0.7 **Program Content**

A breakdown of the career major(s) and their courses is listed on the following page.
BREAKDOWN OF ELECTRONICS SYSTEMS MAJOR(S)

CAREER PATHWAY
Maintenance, Installation, and Repair

CAREER MAJOR
Mechatronic Systems - MicroComputer Focus

potential courses
Server Operating Systems
Network and Routing Fundamentals
Advanced Programming
Network/Client Operating Systems
Network Management
Industrial Electronics
Basic Electrical Theory
Basic Electricity
Digital Systems for Electronics Technicians
Digital Electronics for Manufacturing Maintenance
Industrial Digital Electronic Circuits
Industrial Analog Electronic Circuits
Basic Programming
Motor Theory and Operation
CAD Electronics Introduction
Precision Measurement
Algebra II
Trigonometry/Pre-Calculus
AP Calculus AB
Automated Industrial Systems
Total Class Hours - 2177

CAREER MAJOR
Mechatronic Systems Specialist

potential courses
Digital Electronics for Manufacturing Maintenance
Motor Theory and Operation
Programmable Controller Interfacing
Basic Electrical Theory
Industrial Electronics
Industrial Digital Electronic Circuits
Industrial Analog Electronic Circuits
Basic Programming
Precision Measurements
Algebra II
Trigonometry/Pre-Calculus
AP Physics C-Electricity and Magnetism
Programmable Controller Programming
AP Calculus AB
Electrical Schematic and Blueprint Reading
Fluid Power
Electromechanical Devices and Applications
Microprocessor Instrumentation
CAD Electronics Introduction
Fluid Power Theory and Power Transmission Principles
Total Class Hours - 2340

For further information regarding Gainful Employment in each career major, please access the following link:

http://www.autrytech.edu/StudentInfo/GainfulEmploymentDisclosures
<table>
<thead>
<tr>
<th>What to Disclose, When &amp; to Whom</th>
<th>Brief Description of Information to be Disclosed</th>
<th>Where to Find Full Disclosure Information</th>
</tr>
</thead>
</table>
| **What:** Institutional Information | • Cost of attending school i.e.: Tuition, Fees, Textbooks, Supplies, Living Allowance, etc.  
• Institutional Refund Policy/Requirements for officially withdrawing from school  
• Information regarding the school’s programs/career majors & academic support  
• Entities, (with their contact information), that accredit, approve, or license the school & its programs & procedures for reviewing accreditation, approval, or licensing documentation  
• Description of any special services & facilities for students with disabilities  
• Titles & availability of employees responsible for dissemination of institutional & financial assistance information & how to contact them  
• Penalties & institutional policies on copyright infringement, including unauthorized peer-to-peer file sharing  
• Net Price Calculator  
• Constitution Day/Voter Registration/Vaccination Polices  
• Misrepresentation Regulations |  
  • autrytech.edu  
  • *Student Handbook  
  • *Course Catalog  
  • *Program Description Handouts  
  • **Policy & Procedure Manual  
  • **Consumer Information Handbook |
| **When:** Annually & Upon Request | **To:** Enrolled Students  
Prospective Students  
Current Employee | |
| **What:** Financial Assistance Information | • Description of all available federal, state, local, private & institutional financial assistance, & a description of: (1) application form & procedures; (2) student eligibility requirements; (3) selection criteria; & (4) criteria for determining the amount of a student’s award  
• Rights & responsibilities of students receiving Title IV & other financial aid, including: (1) criteria for continued eligibility; (2) satisfactory academic progress (SAP) standards; (3) criteria to re-establish eligibility if student fails to maintain SAP; (4) method & frequency of financial aid disbursements; (5) books & supplies policy  
• Procedures for the Return of Title IV Aid and Repayments by withdrawn students |  
  • autrytech.edu  
  • *Student Handbook  
  • **Policy & Procedure Manual  
  • **Consumer Information Handbook |
| **When:** Annually & Upon Request | **To:** Enrolled Students  
Prospective Students | |
| **What:** Completion, Transfer, Retention, & Employment Rates | • The institution’s completion rate for full-time, first-time, certificate seeking students enrolled at the post-secondary level who completed their career major within 150% of the normal time (scheduled length of career major) for completion  
• Transfer-out rate is not applicable to Technology Centers since it applies to schools whose mission includes providing substantial preparation for students to enroll in another eligible institution  
• Information on student body diversity in the categories of gender & ethnicity of enrolled students who receive Federal Pell Grants  
• Retention rates of certificate seeking first-time full-time students |  
  • autrytech.edu  
  • U.S. Dept of Ed’s College Opportunity On-Line website:  
  nces.ed.gov/IPEDS  
  See College Navigator  
  • **Student Services |
| **When:** Annually & Upon Enrollment or Hire | **To:** Enrolled Students  
Current Employees | |
| **What:** Drug & Alcohol Abuse Prevention | • Information on preventing drug & alcohol abuse  
• Standards of conduct that clearly prohibit, at a minimum, the unlawful possession, use, or distribution of drugs & alcohol by students & employees on the school’s property, or as part of the school’s activities  
• A description of the sanctions under local, state & federal law for unlawful possession, use or distribution of illicit drugs & alcohol  
• A description of drug & alcohol abuse education programs, counseling, treatment, or rehabilitation programs available to students & employees  
• A description of the health risks associated with the use of illicit drugs & alcohol  
• A clear statement that the school will impose sanctions on students & employees for violations of the standards of conduct (consistent with local, state & federal law) & a description of these sanctions, up to & including expulsion, termination of employment, & referral for prosecution |  
  • autrytech.edu  
  • *Student Handbook  
  • **Policy & Procedure Manual  
  • **Consumer Information Handbook |
| **When:** Annually & Upon Request | **To:** Enrolled Students  
Prospective Students  
Current Employees  
Prospective Employees | |
| **What:** Campus Security Report | • Crime statistics for 3 most recent years concerning the occurrence on campus, in or on non-campus buildings or property & public property reported to campus security authority or local police. Policies concerning the security of & access to campus facilities & procedures to report campus crimes or other emergencies  
• Disciplinary actions regarding the possession, use & sale of alcoholic beverages & illegal drugs & enforcement of state undergraduate drinking laws & federal & state drug laws  
• Programs to inform students & employees about campus security policies, procedures & practices & encourage responsibility for the prevention of crime.  
• Policies regarding sex offenses & where to obtain information concerning registered sex offenders.  
• Emergency response & evacuation policy, procedures & programs  
• Campus Sexual Violence Elimination Act and Violence Against Women Reauthorization Act information, policies, and procedures |  
  • autrytech.edu  
  • *Student Handbook  
  • **Policy & Procedure Manual  
  • ** Consumer Information Handbook  
  • **Student Services |
| **When:** Annually | **To:** Enrolled Students & Eligible Parents of Secondary Students | |
| **What:** FERPA | • Right to & procedures for inspecting & reviewing student’s education records  
• Right to & procedures for requesting amendment of student’s education records believed to be inaccurate or misleading  
• Right to file a complaint with the Department of Education for alleged school’s or educational agency’s failure to comply with FERPA requirements  
• Right of school to disclose personally identifiable information contained in student’s education records without prior consent (34 CFR §99.31)  
• Students right & procedures for directory information to not be disclosed |  
  • autrytech.edu  
  • *Student Handbook  
  • **Policy & Procedure Manual  
  • **Consumer Information Handbook |
| **When:** Annually | **To:** Prospective Students | |
| **What:** Gainful Employment | • Information on graduation rates, the median debt of students completing the program, program costs, job placement, types of employment, etc. |  
  • autrytech.edu  
  • **Student Services |

* Paper copy available in the Student Services Office and on website at autrytech.edu.  
** Paper copy available in the Student Services Office.  
This notice is distributed annually to all current and prospective students. It is also located on the Autry website, in the Student Handbook and Consumer Information Handbook.