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A.R.E. TECHNOLOGY



Mechatronics is a mixture of mechanical and electrical engineering that has grown into a design process which covers mechanical, electrical, telecommunication, control and computer engineering.

**More than a million robots
are used in manufacturing
goods.**

AUTOMATION ROBOTICS ENGINEERING TECHNOLOGY (DAY) GENERAL KNOWLEDGE

Course Length

935 Hours

Who Can Enroll

Adults

Schedule

Monday - Friday
Session 8:50 AM -
11:35AM and/or
12:15 PM - 3:00
PM

Full Time

\$8,724.00

Part Time

\$8,724.00

Books & Fees

\$300.00

Equipment & Clearances

\$652.00

Total

\$9,676.00

Average Pennsylvania Salary

\$18.01 / Hour

Tuition, fees, courses and hours are subject to change without notice.



Industrial maintenance training provides one of the most dependable ways to develop respected skills that can lead to good jobs as a machinery mechanic, millwright, or similar kind of technician. With a firsthand education in this expansive field, you'll boost your ability to achieve a life that you're proud of.

HELPFUL ATTRIBUTES & ABILITIES

Knowledge of the core subject
Application of the knowledge
Attention to Detail
Analytical & Creative thinking
Multi-disciplinary exposure
Familiarity with Technology and Tools

AUTOMATION ROBOTICS ENGINEERING TECHNOLOGY (NIGHT) GENERAL KNOWLEDGE

Course Length

300 Hours

Who Can Enroll

Adults

Schedule

Tuesday & Thursday
5:30 PM - 9:30
PM

Part Time

\$7,595.00

Books & Fees

\$100.00

Equipment & Clearances

\$300.00

Total

\$7,995.00

Average Pennsylvania Salary

\$18.01 / Hour

Tuition, fees, courses and
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HELPFUL ATTRIBUTES & ABILITIES

- Knowledge of the core subject
- Application of the knowledge
- Attention to Detail
- Analytical & Creative thinking
- Multi-disciplinary exposure
- Familiarity with Technology and Tools

AUTOMATION ROBOTICS ENGINEERING COURSE HIGHLIGHTS



WACTC has a long and storied history of success. The Automated Robotic Engineering Technology program was developed to meet the demands of local businessmen who continuously have a need for talented craftsman. Their expertise was instrumental in creating the final product.

COURSE HIGHLIGHTS

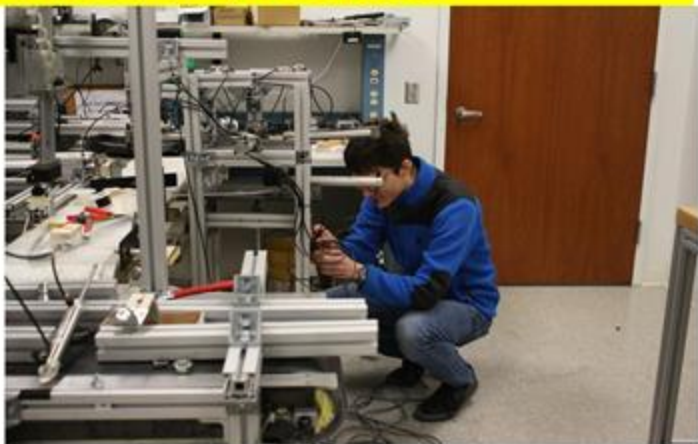
Programmable Logic Controllers * Robotics * Electrical Controls * Hydraulics * AC & DC Theory and Trouble Shooting * Process Control * Commercial Electricity * Pumps & Valves * Blueprint Reading

THE WACTC WAY

Mechatronics (Automation Robotic Engineering Technology) combines electronic, mechanical, computer and control skills to create smart machines that are aware of their surroundings and can make decisions.

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AUTOMATION ROBOTICS ENGINEERING FREQUENTLY ASKED QUESTIONS



Q. How long is the course?

WACTC has two options for you. Our daytime program runs for one scholastic year and starts in late August this year. You will attend Monday through Friday from roughly 9:00 AM to 3:00 PM or a total of 935 hours of instruction.

Our evening program is conducted two nights a week, four hours a night. Our 300 hour program runs for approximately 38 weeks. The evening program tends to be a little faster paced than our daytime offering.

Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. The daytime option is \$9,676.00 and the 300 hour evening selection is \$7,995.00. Financial aid may be available to those who qualify. We have financial experts on staff to assist you in the process.

Q. Are there job opportunities for me when I'm finished?

Mechatronics professionals are the technicians who maintain automated equipment. Technicians and engineers conduct their work in laboratories, offices or on-site at manufacturing plants. These professionals work toward the same goal of producing safe and efficient automated equipment. Technicians primarily maintain machinery, and in today's high tech manufacturing climate, are in great demand.

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AUTOMATION ROBOTICS ENGINEERING

FACTS & FIGURES

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COURSE OBJECTIVE:

Students will obtain education and skills in Automation & Robotics related to engineering-related fields, industry and Marcellus Shale employment.

COURSE DESCRIPTION:

The 935 hour (one scholastic year) and 300 Hour Evening courses focus on all aspects of industrial and commercial machines and robotics and are designed to prepare students for work in industry or continued education in engineering-related fields. The program includes design activities and instruction in the operation, set-up, maintenance, troubleshooting and repair of machines and systems found in commercial, packaging, medical and food production facilities where high tech equipment is used.

COURSE TOPICS:

Applied Physics | Computer Machine Controls | Control Systems | Electricity | Electronics | Hydraulics Industrial Motor Controls | Industrial Safety | Machine Operations and Maintenance Mechanical Drive Systems | Pneumatics | Programmable Logic Controllers | Robotics Schematic Interpretation | Sensor Technology

SPECIALIZED SHOP EQUIPMENT:

Allen Bradley Programmable Logic Trainers | Fanuc Robotic Welding Arm | Hydraulics Systems Trainer Industrial