

Maintenance Technician/Mechatronics Technology

Engineering Technology

Maintenance Technician/Mechatronics



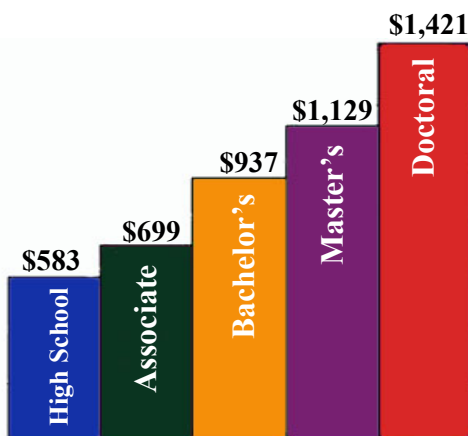
The Industrial Maintenance Technician not only troubleshoots and repairs the most highly advanced industrial equipment, but is responsible for the lay-out and installation. This individual will be versed in electrical, hydraulics, pneumatics, pipefitting, welding, machine repair and installation as well as motor control systems, PLC control systems, Instrumentation Control networking and Servo Robotics.

Career Options

Employers, trying to stay competitive with an international marketplace are hard pressed to find a multi-crafted maintenance employee who can accomplish a multitude of vocational qualities (electrician, plumber, pipe fitter, hydraulics and pneumatics specialists, HVACR, machine set-up, machine installer, welder, systems troubleshooter and control systems programming). This program will provide those employers with such a skilled professional.

Education Pays

Average Weekly Earnings Based on Educational Attainment



Based on data from the Bureau of Labor Statistics



Program Sequence

2010-2011

First Semester

+ IET105	Industrial Computing I **	3
+ EET171	Industrial Electricity I	3
ENG111	Composition I	3
+ MET110	Print Reading & Sketching	3
MTH109	College Algebra	3
+ MET143	Benchwork	2
		<u>17</u>

Second Semester

+ EET194	Industrial Electricity II	3
ENG112	Composition II	3
+ MET144	Machine Repair	3
MET103	Applied Geometry & Trigonometry	3
	General Studies Elective	3
+ Technical Elective		<u>3</u>
		18

Third Semester

+ MET232	Industrial Fluid Power I	3
+ MET181	Applied Welding Techniques	3
+ EET276	Motors & Motor Controls	3
+ PLC200	Programmable Controller I	3
+ MET133	Industrial Pipefitting	3
	Humanities Elective	<u>3</u>
		18

Fourth Semester

+ EET265	Instrumentation & Controls I	3
+ MET252	Industrial Fluid Power II	3
+ PLC230	Servo/Robotic Systems	3
	Science Elective	4
	Social/Behavioral Science Elective	3
+ Technical Elective		<u>3</u>
		19

** Prior to taking IET105, students should have basic computer literacy in Windows and at least one Windows application

+ Students must attain a minimum grade of "C" in all courses with a "+" to progress in the program and to graduate

** Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information

Contact Information

For Program Information, Contact:

Dan Burklo, Dean
Engineering Technologies
(419) 267-1273
dburklo@northweststate.edu

For Admissions Information, Contact:

Admissions Office
(419) 267-1320

Northwest State Community College

Dave VonDeylen, Class of 1981

Future Northwest State Students:

I, like many others, attended Northwest State because tuition was affordable and the campus was close to home. While attending Northwest State, my instructors were extremely helpful. They guided me to enroll in courses that appealed to my interests and talents, and really went the extra mile to ensure my success in their programs.

My advisors also were able to help me gain employment through a Co-op program that gave me a chance to get hands-on training outside of the classroom and begin networking with other professionals in the area. Now, many years later, I know the experience I gained and the local contacts I made helped me build my own company, Alex Products, Inc.

Alex Products began in a small, one room shop and, in 22 years, has grown into a large plant with four locations in the five-county area. Not only are we well known for our quality of service, we are also recognized for offering the highest level of career preparation for our employees. As a matter of fact, out of our 1,000 employees, more than 20% have received some level of training from Northwest State Community College.

Whether you decide to major in Engineering, Business, Nursing or any other degree at Northwest State Community College, you are building a foundation to a successful future. Not only will the education you earn at Northwest State prepare you for the workforce, it will give you the confidence to fill a professional role right out of college. The confidence that employers, like me, look for in their employees.

Best of luck in your education as well as your career.

Dave VonDeylen

Numbers to Call

Admissions: (419) 267-1320

Financial Aid: (419) 267-1333

Main Campus: (419) 267-5511

Or Visit Our Web Site at

www.northweststate.edu



The Plastic Engineering Technology program at Northwest State Community College is an incredible program to be involved in. There are great opportunities for jobs in the plastic engineering field after graduation. It is a key component in trying to get your foot in the door at a plastics company.

Another option that the Plastic Engineering Degree offers is transferring to a four year school. I had the opportunity to transfer to Ferris State University to earn a bachelor's degree in plastic engineering. The knowledge I gained at Northwest State made it a very easy transition. If you are interested in a position in plastics, or want to continue your education, Northwest State is a great choice.

- Brian Brown, Class of 2006



I graduated from Northwest State with an engineering technology degree and the confidence that I was well-prepared to enter the job field. It was that confidence that helped me earn a position at Campbell Soup working as a technology trouble shooter.

Today, I am making more money than I ever could have without a college degree. Northwest State Community College transformed my life.

- Mike Kappen, Class of 2003



Northwest State Service Area



It Makes
You Think!

Accredited by the Higher Learning Commission (312) 263-0456 www.ncahigherlearningcommission.org

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