

A.T.S.—Plastics Machine Maintenance Technology

Engineering Technology

Plastics Machine Maintenance (ATS-Type A)



Polymers (Plastics) and Rubber is the number one industry in Ohio. This industry requires sophisticated production machinery. Maintenance Technicians are required to keep this type of machinery running. This program combines basic plastics courses as well as courses from the Industrial Maintenance programs.

The Associate of Technical Studies (ATS) degree is a recognized degree through the Ohio Board of Regents. The ATS is a customizable degree that is made up of two technical content areas, primarily for students that have educational goals that do not match traditional programs offered at NSCC. This degree is designed for a student who wishes to enter the field of Plastics Maintenance.

The degree consists of three different types of courses: General Courses (15 hrs.), Basic Courses (15 hrs.) and Technical Courses (30-43 hrs.). The General Studies core of classes is required of all graduates of NSCC. The Basic Courses are courses that basically prepare students for the technical courses. The Technical Courses are made up of two types of classes: Plastics and Industrial Electrical.

Transfer Options

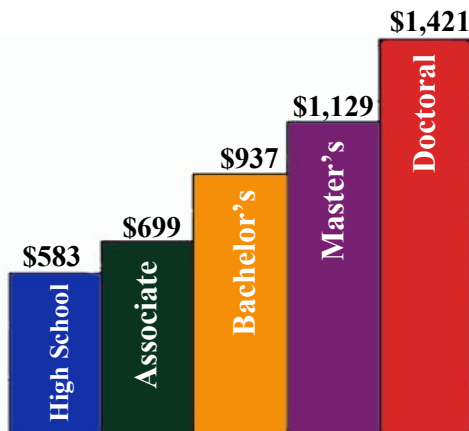
If students wish to transfer on to a University for a Bachelor degree, they must have each course evaluated individually by the University.

This is an excellent program for employees who are currently working in the maintenance department of a plastic company, or an employee of a plastic company wishing to get into the maintenance department.

To sign up for this program or to customize your own ATS degree, the student should meet with the Dean of the Engineering Technology Division.

Education Pays

Average Weekly Earnings Based on Educational Attainment



Based on data from the Bureau of Labor Statistics



Program Sequence

2011-2013

First Semester

ENG111	Composition I	3
IND103	Applied Geometry & Trigonometry	3
+ PET110	Principles of Plastics	4
+ IND120	Industrial Electricity I	3
+ MET100	Intro to Engineering Technology	2
	Social/Behavioral Science Elective	<u>3</u>
		18

Second Semester

ENG112	Composition II	3
MTH109	College Algebra	3
+ PET210	Injection Molding	4
+ IND121	Industrial Electricity II	3
+ IND122	Industrial Wiring (NEC)	3
	Humanities Elective	<u>3</u>
		19

Third Semester

+ IND134	Industrial Fluid Power I	3
PHY251	Physics: Mechanics & Heat	4
+ PLC200	Programmable Controller I	3
+ IND223	Motors & Motor Controls	3
	Technical Elective	<u>3</u>
		16

Fourth Semester

+ PLC210	Programmable Controller II	3
+ IND221	Instrumentation & Controls I	3
+ IND220	Electrical Prints & Troubleshooting	3
+ PET220	Advanced Injection Molding	4
	Communications Elective	<u>3</u>
		16

+ 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!