

Machining Certificate

Engineering Technology

Machining Certificate



CNC or Computer Numerical Control Machining has literally replaced the Machinist trade. You will be trained in the proper use of mills, drills and lathes, the latest in programming software as well as set-up and operational procedures of CNC equipment to produce a precision part.

As a Patternmaker trainee you will learn the most up-to-date technology needed to build a pattern. To obtain this skill level the learner will become knowledgeable of the properties of metals, precision measurement and the fundamentals of repairing molds and dies.

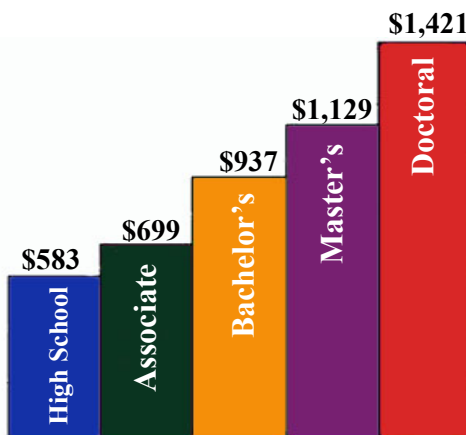
The Tool and Die Maker will learn how to create tools, dies and fixtures. This individual will gain a broad understanding of tooling by learning how to properly use mills, drills, lathes and other machining related equipment including non-traditional machining techniques such as the Electrical Discharge Machine.

Career Options

Openings will be found in areas where manufacturing is high.

Education Pays

Average Weekly Earnings Based on Educational Attainment



Based on data from the Bureau of Labor Statistics



Program Sequence

2010-2011

First Semester

+	MET110	Print Reading & Sketching	3
	MTH080	Beginning Algebra	3
			6

Second Semester

	MET103	Applied Geometry & Trigonometry	3
+	IET105	Industrial Computing I**	3
			6

Third Semester

+	MET181	Applied Welding Techniques	3
+	MET143	Benchwork	2
		General Studies Elective	3
			8

Fourth Semester

+	MET122	Principles of Machining	3
+	QCT141	Precision Measurement	3
			6

Fifth Semester

+	MET123	Machining Processes II	3
+	MET150	Tooling & Fixtures	3
			6

Sixth Semester

+	MET222	Programming Computer Numerical Control	3
+	MET231	Metallurgy & Heat Treatment	2
			5

** 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

Northwest State Community College • 22600 State Route 34 • Archbold, Ohio 43502 • (419) 267-5511