

# Quality Control Certificate

## Engineering Technology

### Quality Control Certificate



A Manufacturing Quality major prepares the student for a career as a Quality specialist (Supplier Quality Engineer, Green Belt, Mechanical Inspector, Quality Technician, Auditor, and similar roles).

Twenty-first century manufacturing operations link productivity to quality. Lean manufacturing quality concepts are essential to modern competitiveness. Accordingly, persons seeking

greater responsibility should consider the Quality curriculum.

This program of study prepares the student to sit for American Society for Quality Technician exam. ASQ certifications are widely recognized and favorably impact hiring and compensation decisions.

### Career Options

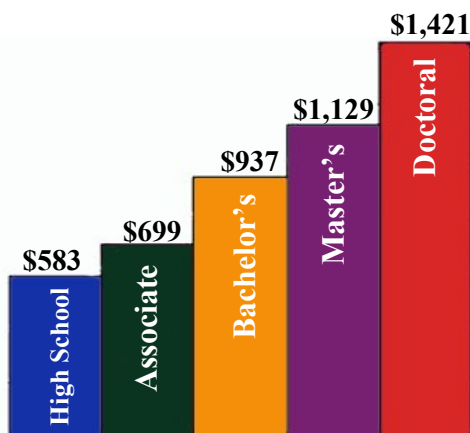
The greatest need for engineering technicians will be in manufacturing. Companies need improved machinery, up to date processes, and lean manufacturing methods to compete on a global basis. Quality skills apply during all phases of the product cycle – from concept to production to distribution and service.

ISO/TS/OHSAS certifications are becoming a common prerequisite for doing business, worldwide. This course of study imparts the skills needed to comply with many certification system requirements.

Skills learned in this course form a solid foundation on which to build if your goal is to become a Quality Assurance Manager, Quality Engineer, or Quality Auditor.

### Education Pays

Average Weekly Earnings Based on Educational Attainment



Based on data from the Bureau of Labor Statistics

### Program Sequence

2011-2013

#### First Semester

+	MET110	Print Reading & Sketching	3
	MTH109	College Algebra	3
+	QCT100	Quality Concepts	<u>3</u>
			9

#### Second Semester

+	CAD100	CAD for Machining	3
+	QCT131	Quality for Lean Manufacturing	3
+	IND110	Industrial Computing I**	<u>3</u>
			9

#### Third Semester

+	QCT141	Precision Measurement	3
+	QCT243	Advanced Quality Improvement	3
		General Studies Elective	<u>3</u>
			9

#### Fourth Semester

+	PET110	Principles of Plastics	4
+	QCT142	Advanced Concepts of GD&T	3
+	QCT250	Certified Quality Technician/ Certified Mechanical Inspector Review	<u>3</u>
			10

\*\* Prior to taking IND110, 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](http://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



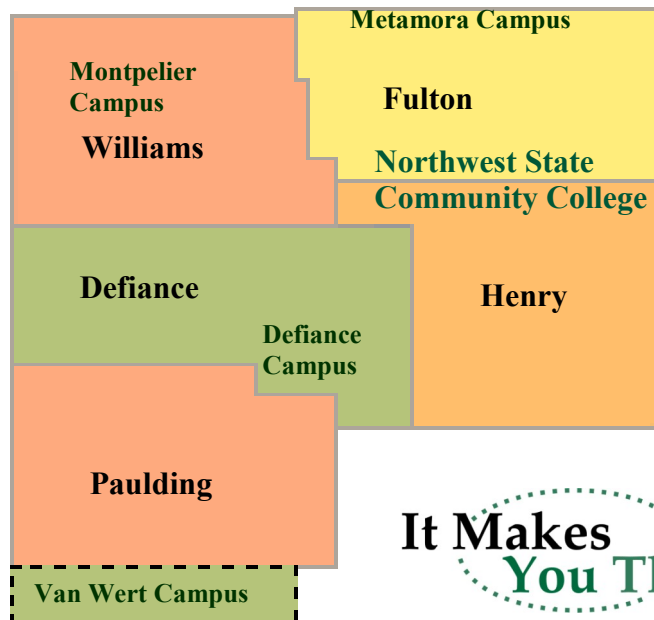
I graduated from Northwest State with an engineering technology degree and the confidence that I was well-prepared to enter the job field. It was that confidence that helped me earn a position at Campbell Soup working as a technology trouble shooter.

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!