

# Quality Control Certificate

## Engineering Technologies Division

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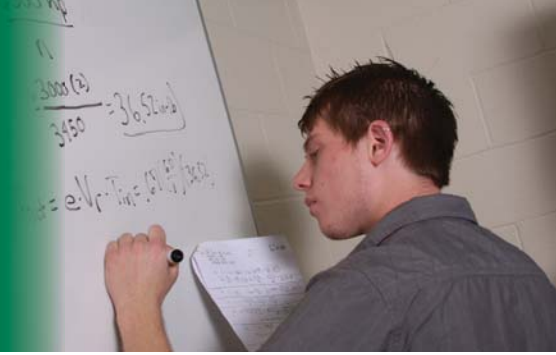
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[www.northweststate.edu](http://www.northweststate.edu)

NSCC is accredited by:  
The Higher Learning Commission  
(312) 263-0456

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## Quality Control Certificate

A manufacturing quality certificate prepares students 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.

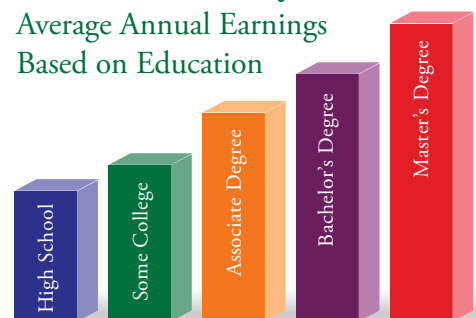
## Career Outlook

The greatest demand 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/OHSA 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 Annual Earnings  
Based on Education



2011-2012

Based on data from the Bureau of Labor Statistics

# Program Sequence

## First Semester

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

## Second Semester

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

## Third Semester

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

## Fourth Semester

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

**Total Program Credit Hours** **37**



\* 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.*

# Quality Control Certificate

## Department of Engineering Technology

### **PROGRAM NAME & LENGTH**

**Name of Program:** Quality Control

**Level of Program:** Certificate

**Program Length:** 3 Semesters

### **RELATED OCCUPATIONS**

**U.S. Department of Labor's Standard Occupational Classification (SOC) code:**

11-3051 Industrial Production Managers

**Link(s) to the U.S. Department of Labor's O\*Net Occupational Profiles:**

<http://www.onetonline.org/link/summary/11-3051.00>

### **COST:**

**Total Tuition:** \$5,032

**Fees:** \$240

**Total Est. Costs for Books and Supplies:** \$688

### **DEBT AT PROGRAM COMPLETION**

Number of students completing the program between July 1, 2010 and June 30, 2011

**Number of 2010-2011 Graduates:** No 2010-2011 Graduates

For all Students completing program, the median cumulative debt for:

**Federal Student Debt:** No 2010-2011 Graduates

### **PROGRAM COMPLETION IN NORMAL TIME**

**Normal Time in Months to Complete Program:** 12 Months