Plastics Manufacturing
Certificate

Engineering Technologies Division

For Program Questions:

Dan Burklo
Dean of Engineering Technologies
(419) 267-1394
dburklo@northweststate.edu

For Admissions Questions:

NSCC Admissions Office
(419) 267-1320
admissions@northweststate.edu

Northwest State Community College

www.northweststate.edu

NSCC is accredited by:
The Higher Learning Commission
(312) 263-0456
www.ncahigherlearningcommission.org

Plastics Manufacturing
Certificate

A Plastics Manufacturing Certificate prepares the individual to setup and maintain injection molding processes; plastics testing processes and ensure quality control. Individuals may also be skilled in various processes such as blow molding, extrusion, and thermoforming. Typically these individuals report to manufacturing supervisors, receiving daily objectives from them.

Technicians work on assignments and tasks with minimum supervision and guidance, often requiring the technician to interface and pass down information to personnel on incoming and outgoing shifts. It is expected by employers that technicians demonstrate excellent verbal, written and interpersonal communication skills.

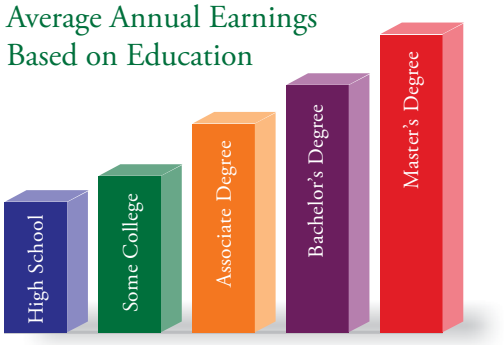
Coursework (100 level or higher) completed in this certificate directly applies toward the associate degree in Plastics Engineering Technology.

Career Outlook

Graduates of this program may find employment as entry-level mold technicians, mold setters, job setters and material handlers working under the direction of the manufacturing department. Some of the typical duties of these technicians will include performing mold insert changes; material color changes; press start-ups and shut downs; mold changes and planned maintenance on the molds; performing product inspections to verify conformance to specifications, ensuring quality control; and directing and performing adjustments of molding equipment, working closely with the production and the quality control departments.

Education Pays

Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

Program Sequence

First Semester		*Credits*
+ MET110	Print Reading & Sketching	3
+ PET110	Principles of Plastics	4
	General Studies Elective	3
		10

Second Semester		*Credits*
MTH109	College Algebra	3
+ PET210	Injection Molding	4
		7

Third Semester		*Credits*
IND103	Applied Geometry & Trigonometry	3
+ PET240	Injection Mold Tooling	4
		7

Fourth Semester		*Credits*
+ PET231	Plastics Materials Testing	4
+ QCT100	Quality Concepts	3
+	Plastics Elective	4
		11

Total Program Credit Hours ***35***

+ 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.

Plastics Manufacturing Certificate

Department of Engineering Technology

PROGRAM NAME & LENGTH

Name of Program: Plastics Manufacturing
Level of Program: Certificate
Program Length: 3 Semesters

RELATED OCCUPATIONS

U.S. Department of Labor's Standard Occupational Classification (SOC) code:
51-4072 Modeling, Core making, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic

Link(s) to the U.S. Department of Labor's O*Net Occupational Profiles:
http://www.onetonline.org/link/summary/51-4072.00

COST:

Total Tuition: $4,760
Fees: $200
Total Est. Costs for Books and Supplies: $1,212

DEBT AT PROGRAM COMPLETION

Number of students completing the program between July 1, 2010 and June 30, 2011
Number of 2010-2011 Graduates: 1 Student

For all Students completing program, the median cumulative debt for:
Federal Student Debt: Not Disclosed

PROGRAM COMPLETION IN NORMAL TIME

Normal Time in Months to Complete Program: 12 Months