

Machine Tool Technology



HEARTLAND
COMMUNITY COLLEGE

Certificate 32 Semester Hours

General Education Requirements

	hrs
MATH109 College Algebra for Math & Science	4
Or	
TMAT 103 Technical Math I	<u>4</u>
TOTAL	4

Technical Requirements

	hrs
BUSN 145 Employment Success Strategies	1
CAD 101 Intro to AutoCAD	3
TECH 114 Introduction to Technical Graphics	<u>3</u>
TOTAL	7

Core Requirements

	hrs
CAD 110 CAD Software Applications	3
ENGR 110 Engineering Graphics	3
MFTG 115 Manufacturing & Production Processes	3
MTT 101 Machining Skills I	3
MTT 110 Tool Design	3
MTT 201 Machining Skills II	3
MTT 210 Toolmaking	<u>3</u>
TOTAL	21

Program Description

By enrolling in the Machine Tool Technology certificate program, you learn the processes involved in mass production, planning, quality control, and material selection. While you learn about tools and equipment, you develop machining skills and learn how to inspect and handle parts, equipment, and finished products. When you complete this program, you can seek employment as a technician, engineering assistant, machine operator, and first-line supervisor. You can apply all of these courses into the Manufacturing Technology AAS degree.