

BASIC MANUFACTURING (CERTIFICATE)

Manufacturing and Construction

Program website (<https://www.harpercollege.edu/academics/manufacturing/manufacturing-technology/manufacturing-basic-certificate.php>)

Program Overview

This 18 credit-hour certificate program is designed to give students skills in welding and machining to prepare them for entry-level employment in manufacturing. The program of study will emphasize welding theory and extensive practice in major arc welding process including OAW, SMAW, GMAW, and GTAW. Students will learn the fundamentals of machine shop theory and the practical application to the maintenance and fabrication industry. Students will work from blueprints and will be able to fabricate and repair small parts used in a variety of industrial applications.

Program Requirements

Code	Title	Hours
Required		
MFT 105	Machining Processes I	3
MFT 120	Machining Processes II	3
MFT 121	Machining Processes III	3
MFT 134	Print Reading for Industry	3
WLD 110	Welding I	3
WLD 210	Welding II	3
Total Hours		18

Gainful Employment

Non-financial aid eligible program.