



Manufacturing Approved Programs



Moraine Valley Community College

Program	Credit Hours
Fluid Power Technician Certificate	8
Industrial Controls Technician Certificate	9
Industrial Maintenance Technician Certificate	23
Mechanical Drive Technician Certificate	8
PLC Technician Certificate	18
Integrated Systems Technology AAS	60
Additive Manufacturing Specialist Certificate	9
AutoCAD Specialist Certificate	12
Mechanical Drafting Associate Certificate	16
Automation and Engineering Technology AAS	60
Associate in Engineering Science AES	66
Electronics/Computer Controls Technician AAS	60
Electronic Controls Technician Certificate	42
Electronics Technician Certificate	18
Welding-Advanced Certificate	33
Welding-Combination Certificate	26
Multi-Process Welding Certificate	9
Pipe Welding Certificate	18
Shielded Metal Arc Welding Certificate	9
Individualized Welding Certificate	8

Prairie State College

Program	Credit Hours
CAD / Mechanical Design Technology AAS	64
Industrial Electrician AAS	69
Industrial Mechanic AAS	63
Manufacturing Technology AAS	62
Computer Electronics Technology AAS	61-63
Tool and Die Making AAS	62-63
Certified Production Technician Certificate	19
CNC Programmer / Operator Certificate	32
Industrial Electrician Certificate	38
Industrial Maintenance Technician Certificate	44
Industrial Mechanic Certificate	30
Machinist Certificate	34
Manufacturing Technology Certificate	32
Welder Technician Certificate	36
Welding Specialist Certificate	23
Computer Electronics Technology Certificate	36-37
CAD Drafter Certificate	13
CAD Technician Certificate	24
CAD/Mechanical Design Technology Certificate	28



Manufacturing Approved Programs



Joliet Junior College

Program	Credit Hours
Electrical / Electronic Automated Systems Technology AAS	64
Automated Controls and Robotics Certificate	12
Integrated Systems Certificate	17
Basic Electronics Certificate	8
Electronics Engineering Technology Certificate	34
Electronics Engineering Technology AAS	63
Industrial Maintenance Technology AAS	67
Operations Engineering AAS / Operations Technician AAS	60 / 63
Industrial Maintenance Technology Certificate I (Cert of Completion)	19
Industrial Maintenance Technology Certificate of Achievement	38
Mechanical Production Technology Machine Tool Metalworking AAS	63
Mechanical Production Technology Certificate	48
Mechanical Production Technology Tool Metalworking Certificate	23
Computer Numerical Control Certificate	16
Precision Machine Technology AAS	69
Process Instrumentation Technology AAS	65
Process Instrumentation Technology Certificate	15
Welding Technology AAS	60
SMAW Shielded Metal Arc Welding Certificate	6
GTAW Gas Tungsten Arc Welding Certificate	6
GMAW Gas Metal Arc Welding Certificate	6
FCAW Flux Core Arc Welding Certificate	6
Pipe Welding Certificate	6
Basic Welding Certificate	12

Ivy Tech Community College (East Chicago/Lake Co, Valparaiso)

Program	Credit Hours
Advanced Automation and Robotics AAS	75
Industrial Technology AAS	60
Machine Tool Technology AAS	60
Automation and Robotics TC	34
Industrial Technology, Electricity TC	34
Industrial Mechanical TC	34
Process Operations TC	34
Welding Technology TC	34
Machine Tool Technology TC	31
Mechatronics Certificate	27
Industrial Electrical	21
Industrial Mechanical Certificate (AART)	21
Structural Welding Certificate	21
CNC Production Machinist Certificate	18
Machine Tool Technology Certificate	21



Manufacturing Approved Programs



Kankakee Community College

Program	Credit Hours
Industrial Electrical Technology AAS	65
Industrial Machinery Maintenance AAS	68
Industrial Electrical Engineering Technology AC	45
Industrial Instrumentation and Process Control AAS	69
Instrumentation and Process Control AC	42
Electronic Technician Certificate	15
Electrical Engineering Technology Certificate	
Industrial Motor Control	14
Pneumatic and Hydraulic Power	19
Programmable Logic Controllers	18
Industrial Wiring	16
Machine Tool Technology AC	34
Industrial Maintenance Specialization AAS	63
Industrial Maintenance I	27
Intermediate Manufacturing Industrial Maintenance Certificate	31
Industrial Maintenance II	45
Basic Manufacturing Industrial Maintenance Certificate	13
Process Technology Solutions Certificate	14
Manufacturing Production Certificate	14
Welding Technology, AAS	64
Welding Technology, Advanced Certificate	32
Manufacturing Technology: Welding Specialization AAS	63
Manufacturing Technology: Welding II Advanced Certificate	45
Intermediate Manufacturing Welding Advanced Certificate	31
Manufacturing Welding I Certificate	29
Basic Manufacturing Welding Certificate	15
Welding Technology: Shielded Metal-Arc or MIG and TIG Certificates	8
Welding Technology: Pipe Welding or Maintenance Welding Certificates	12
Diesel Technology, Certificate <i>*new Fall 2023</i>	18

Daley College (City Colleges of Chicago)

Program	Credit Hours
Manufacturing Technology Basic Certificate (BC)	12
CNC Machining Basic Certificate (BC)	21
CNC Machining Advanced Certificate (AC)	30
CNC Engineering Technology AAS	61
Industrial Supervision Engineering Technology AC / AAS	30 / 61
Mechatronics Engineering Technology AC / AAS	30 / 61
Welding Engineering Technology AC / AAS	30 / 61
CAD Engineering Technology AC / AAS	30 / 60



Manufacturing Approved Programs



South Suburban College	
Program	Credit Hours
Basic and Multi-Process Welding Certificate(s)	9-22
Certified Production Technician Certificate	16
AutoCAD (Computer-Aided Design) Specialist Certificate	12
Mechanical Engineering Technology Certificate	33.5
Maintenance Technician Certificate I	17
Maintenance Technician Certificate II	17
Electronics Engineering Technology Certificate	25
Electronics Engineering Technology AAS	62

Olive Harvey College (City Colleges of Chicago)	
Program	Credit Hours
Aviation Maintenance (Credit (Associate of Applied Science))	72
Aviation Maintenance (Credit (Basic Certificate))	20
Aviation Maintenance (Continuing Education (Non-Credit Certificate - Sheet Metal Installation and Technology))	0
Diesel Technology (Credit (Associate of Applied Science))	70
Diesel Technology (Credit (Advanced Certificate))	50
Diesel Technology (Credit (Basic Certificate))	19
Diesel Technology (Continuing Education (Non-Credit Certificate - National Coalition of Certification Centers)) - Battery Charging, Prolink, Multimeter	0



Manufacturing Approved Programs



Oakton Community College	
Program	Credit Hours
Advanced Manufacturing AAS	60
Advanced Manufacturing Certificate	37
Advanced Mechatronics AAS	61
Advanced Mechatronics Certificate	40
Supply Chain Automation AAS	60
Mechanical Design / CAD AAS	60
Automation Programming Certificate	22
TMA Advanced Automation Certificate	28
CNC/CAM Programming Certificate	21
Computer Numerical Control Certificate	14
Advanced CNC Certificate	32
Automation Technician Certificate	15
Robotics and Vision Technician	14
Production Technician Certificate	11
Automation Programming Certificate	22
Welding Technician Certificate	14

Triton College	
Program	Credit Hours
Pre-Engineering, Associate in Science (AES)	60
Engineering Technology, Mechanical Design (CAD) AAS	62
Engineering Technology, Mechatronics AAS	62
Engineering Technology, Electrical Certificate	16
Engineering Technology, Fabrication Certificate	24-26
Engineering Technology, Mechatronics Certificate	21
Engineering Technology, CAD Advanced Certificate (AC)	13
Engineering Technology, Design Certificate	25
Engineering Technology, Welding Certificate	16
Engineering Technology, Robotics Welding Certificate <i>*Fall 2023 start</i>	22
Truck Brake and Suspension Certificate	20
Truck Engine Repair Certificate	16
Truck Drive Train Repair Certificate	21

Jane Addams Resource Corporation (JARC)	
Program	Credit Hours
CNC Machinist Fast Track (20 weeks) Ravenswood & Austin locations	N/A
Welding Fast Track (14 weeks) Ravenswood & Austin locations	N/A
Mechanical Assembly (10 weeks) Austin & Chatham locations	N/A

Chicago Women In Trades (CWIT)	
Program	Credit Hours
Welding (12 weeks)	N/A