Industrial Mechanic

Certificate in Applied Science
Credit Requirements: 27 Semester Credit Hours
Evening

The Industrial Mechanic program prepares students for employment in industrial mechanics. This program teaches skills required for troubleshooting, maintenance and repair of mechanical systems.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

IMT prefix courses are available based on demand. See your program advisor.

Recommended Sequence of Courses
First Semester – Fall

IMT 161	Mechanical Power Applications	4
IMT 210	Basic Industrial Skills I	3
IMT 211	Basic Industrial Skills II	3
		Total 10

Second Semester – Spring

IMT 105	Mechanical Sketching	2
IMT 132	Hydraulics	2
IMT 133	Pneumatics	2
IMT 160	Preventive Maintenance	3
		Total 9

Third Semester – Summer

IMT 124	Pumps	2
IMT 151	Piping Systems	3
IMT 163	Problem Solving for Mechanical Applications	3
		Total 8

Important information about the educational debt, earnings, and completion rates of students who attended this program can be found in section D.

Introduction to Automotive Servicing

Certificate in Applied Science
Credit Requirements: 27 Semester Credit Hours
Day

The Introduction to Automotive Servicing program prepares students for entry-level employment in the automotive servicing industry. This program teaches the introductory skills required for the diagnosis, maintenance and repair of passenger cars and light trucks through theory and shop instruction.

Admission into this program is open only to Youth Apprentice students that meet all of the requirements set forth by the Apprenticeship Office. Additional requirements are a valid driver's license and qualifying scores on SAT, ACT or TTC's placement test.

Recommended Sequence of Courses
First Semester – Fall

AUT 101	Engine Fundamentals	3
AUT 133	Electrical Fundamentals	3
		Total 6

Second Semester – Spring

AUT 111	Brakes	3
AUT 131	Electrical Systems	3
		Total 6

Third Semester – Fall

AUT 103	Engine Reconditioning	4
AUT 149	Ignition and Fuel Systems	4
		Total 8

Fourth Semester – Spring

AUT 145	Engine Performance	3
AUT 241	Automotive Air Conditioning	4
		Total 7

Landscape Design

Certificate in Applied Science
Credit Requirements: 16 Semester Credit Hours

The Landscape Design certificate program provides training for individuals involved in landscape design and installation. The program is useful for those with practical experience in landscape installation, but with little or no formal training in plant arrangements and plant selection. Students must see the Horticulture faculty for advising.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Recommended Sequence of Courses
First Semester – Fall

HRT 106	Ornamentals	2
HRT 153	Landscape Construction	3
		Total 5

Second Semester – Spring

HRT 102	Landscape Design	4
HRT 107	Woody Ornamentals	2
		Total 6

Third Semester – Summer

HRT 108	Annuals and Perennials	2
HRT 212	Commercial Landscape Design	3
		Total 5

Landscape Management

Certificate in Applied Science
Credit Requirements: 17 Semester Credit Hours

The Landscape Management certificate is ideal if you want to take courses in a specific area of landscape maintenance and management. The objective of this certificate is to create confidence and professionalism in the landscaper and nursery worker by broadening his or her horticultural knowledge and increasing exposure to modern techniques and materials used in landscape management.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Recommended Sequence of Courses
First Semester – Fall

HRT 101	Introduction to Horticulture	3
HRT 106	Ornamentals	2
HRT 241	Turf Management	3
		Total 8

Second Semester – Spring

HRT 107	Woody Ornamentals	2
MGT 120	Small Business Management	3
		Total 5

Third Semester – Summer

HRT 108	Annuals and Perennials	2
HRT 254	Landscape Maintenance	2
		Total 4

Nail Technology

Certificate in Applied Science
Credit Requirements: 18 Semester Credit Hours
Day

This program teaches basic nail care, various nail additions, repair wraps, sanitation procedures and basic salon management practices.

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test. (No correspondence schools.)

Recommended Sequence of Courses
First Semester

COS 131	Bacteria and Other Infectious Agents	2
COS 132	Science of Nail Technology	2
COS 133	Basic Procedures	3
COS 135	The Business of Nail Technology	2
COS 136	Fundamentals of Artificial Nail Application	4
COS 137	Fundamentals of Nail Art	1
COS 224	Nail Practice I	4
		Total 18

Welding Gas Metal Arc and Flux Cored Arc

Certificate in Applied Science
Credit Requirements: 24 Semester Credit Hours
Fall Semester Start

This certificate teaches beginning and intermediate welding students the principles and practices of gas metal arc and flux cored arc welding in preparation for entry into the welding fields of manufacturing, construction, transportation and maintenance.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Recommended Sequence of Courses
First Semester – Fall

EGT 114	Welding Print Basics	2
WLD 110	Welding Safety and Health	1
WLD 118	Gas Metal Arc Welding Ferrous I	4
WLD 119	Gas Metal Arc Welding Ferrous II	1
WLD 141	Weld Quality	2
		Total 10

Second Semester – Spring

EGT 117	Welding Print Principles	2
WLD 120	Flux Cored Arc Welding I	4
WLD 121	Flux Cored Arc Welding II	1
WLD 201	Welding Metallurgy	2
		Total 9

Third Semester – Summer

WLD 122	Gas Metal Arc Welding Non-Ferrous I	4
WLD 123	Gas Metal Arc Welding Non-Ferrous II	1
		Total 5