

# Industrial Mechanic

## Certificate in Applied Science

**Credit Requirements: 25 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

IMT 105	Mechanical Sketching	2
IMT 121	Drive Systems	2
IMT 124	Pumps	2
IMT 131	Hydraulics and Pneumatics	4
IMT 151	Piping Systems	3
IMT 160	Preventive Maintenance	3
IMT 163	Problem Solving for Mechanical Applications	3
IMT 210	Basic Industrial Work Skills I	3
IMT 211	Basic Industrial Work Skills II	3

# 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: 24 Semester Credit Hours**

### Day

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

## Industrial Technology

Admission into this program requires qualifying scores on SAT, ACT or the TTC placement test. High school graduation is not required if you are at least 18 years old and can provide proof of 10th grade completion. (No correspondence schools.)

### Recommended Sequence of Courses

#### First Semester

COS 130	Professional Image	2
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
COS 226	Nail Practice II	4

**Total 24**

## 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 201	Welding Metallurgy	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 141	Weld Quality	2

**Total 9**

#### Third Semester – Summer

WLD 122	Gas Metal Arc Welding Nonferrous I	4
WLD 123	Gas Metal Arc Welding Nonferrous II	1

**Total 5**

## Welding Gas Metal Arc and Flux Cored Arc

### Certificate in Applied Science

**Credit Requirements: 24 Semester Credit Hours**

#### Spring 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 – Spring

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

**Total 6**

#### Second Semester – Summer

WLD 120	Flux Cored Arc Welding I	4
WLD 121	Flux Cored Arc Welding II	1

**Total 5**

#### Third Semester – Fall

EGT 114	Welding Print Basics	2
WLD 122	Gas Metal Arc Welding Nonferrous I	4
WLD 123	Gas Metal Arc Welding Nonferrous II	1
WLD 201	Welding Metallurgy	2

**Total 9**

#### Fourth Semester – Spring

EGT 117	Welding Print Principles	2
WLD 141	Weld Quality	2

**Total 4**