

Golf Course Maintenance

Certificate in Applied Science

Credit Requirements: 23 Semester Credit Hours

The Golf Course Maintenance certificate program provides short-term training for individuals employed in golf course maintenance and those wishing to enter the field. The program is structured so that novice students can develop basic skills, and those individuals currently employed at golf courses can upgrade their skills through formal course work combined with on-the-job training. This on-the-job training consists of supervised work experience in which students are placed at a golf course for hands-on practice with chemical and fertilizer application equipment as well as training in routine maintenance practices. Students must see the Horticulture faculty for more information.

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 110	Plant Form and Function	4
HRT 144	Plant Pests	3
HRT 241	Turf Management	3
		Total 10

Second Semester – Spring

HRT 125	Soils	4
HRT 240	Pesticides	4
		Total 8

Third Semester – Summer

CWE 112	Cooperative Work Experience	2
HRT 121	Commercial Irrigation	3
		Total 5

Industrial Maintenance

Certificate in Applied Science

Credit Requirements: 23 Semester Credit Hours

Evening

The Industrial Maintenance program prepares students for employment in commercial and industrial building and plant maintenance. This program teaches basic skills required for maintenance, installation, troubleshooting and repair of air conditioning and electrical 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.

Recommended Sequence of Courses

First Semester – Fall

ACR 106	Basic Electricity for HVAC/R	4
ACR 108	Refrigeration Fundamentals	3
ACR 109	Tools and Service II	2
		Total 9

Second Semester – Spring

BCT 138	Residential Wiring	5
		Total 5

Third Semester – Summer

IMT 210	Basic Industrial Work Skills I	3
IMT 211	Basic Industrial Work Skills II	3
		Total 6

Fourth Semester – Fall

BCT 140	Commercial Wiring	3
		Total 3

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.

Recommended Sequence of Courses

First Semester – Fall

IMT 160	Preventive Maintenance	3
IMT 163	Problem Solving for Mechanical Applications	3
		Total 6

Second Semester – Spring

IMT 131	Hydraulics and Pneumatics	4
IMT 151	Piping Systems	3
		Total 7

Third Semester – Summer

IMT 210	Basic Industrial Work Skills I	3
IMT 211	Basic Industrial Work Skills II	3
		Total 6