

WELDING TECHNOLOGY

Welding Technology Associate in Science Degree

Required Core Courses: 24 units

Total Units: 60 units

Course Number	Course Title	Fall	Spring	Summer
FIRST YEAR				
WT 20	Power Plant and Field Pipe Welding I	3		
WT 21	Power Plant and Field Pipe Welding II		3	
WT 36	Welding Theory & Practice - Oxyacetylene	3		
WT 37	Welding Theory & Practice – Shielded Metal Arc Welding		3	
	Required Electives	3	3	3
	General Education Requirement	3	6	
	Total	12	15	3
SECOND YEAR				
WT 22	Power Plant and Field Pipe Welding III	3		
WT 23	Power Plant and Field Pipe Welding IV		3	
WT 38	Welding Theory & Practice – Gas Metal Arc Welding	3		
WT 39	Welding Theory & Practice – Gas Tungsten Arc Welding		3	
	Required Electives	3	3	3
	General Education Requirement	6	3	
	Total	15	12	3

Required Electives: 18 units

Any eighteen units from the following courses can be used to satisfy this requirement.

	Required Elective Options	Fall	Spring
BUS 25	Small Business Management		3
CA 31	Computer Applications I	2	
IT 72	Facilities Maintenance I		2
PGT 22	Operations Maintenance and Safety	1	
WT 40	Oxyacetylene Welding	3	3
WT 41	Beginning Shielded Metal Arc Welding	3	3
WT 42	Intermediate Shielded Metal Arc Welding	3	3
WT 43	Advanced Shielded Metal Arc Welding	3	3
WT 44	Gas Metal Arc Welding	3	3
WT 45	Gas Tungsten Arc Welding	3	3

General Education Requirements: 18 units

See a counselor to prepare your educational plan with the latest scheduling information.

Welding Technology
Certificate of Achievement
Two-Year Plan

Required Core Courses: 33 units

Total Units: 51 units

Course Number	Course Title	Fall	Spring	Summer
FIRST YEAR				
ENGL	English Composition Course	3		
MATH 53	Technical Mathematics		3	
WT 20	Power Plant and Field Pipe Welding I	3		
WT 21	Power Plant and Field Pipe Welding II		3	
WT 36	Welding Theory & Practice - Oxyacetylene	3		
WT 37	Welding Theory & Practice – Shielded Metal Arc Welding		3	
	Required Electives Requirement	3	3	3
	Total	12	12	3
SECOND YEAR				
IT 72	Facilities Maintenance I		2	
PGT 22	Operations Maintenance and Safety	1		
WT 22	Power Plant and Field Pipe Welding III	3		
WT 23	Power Plant and Field Pipe Welding IV		3	
WT 38	Welding Theory & Practice – Gas Metal Arc Welding	3		
WT 39	Welding Theory & Practice – Gas Tungsten Arc Welding		3	
	Required Electives Requirement	3	3	3
	Total	10	11	3

Required Electives: 18 units

Any eighteen units from the following courses can be used to satisfy this requirement.

	Required Elective Options	Fall	Spring
BUS 25	Small Business Management		3
CA 31	Computer Applications I	2	
WT 40	Oxyacetylene Welding	3	3
WT 41	Beginning Shielded Metal Arc Welding	3	3
WT 42	Intermediate Shielded Metal Arc Welding	3	3
WT 43	Advanced Shielded Metal Arc Welding	3	3
WT 44	Gas Metal Arc Welding	3	3
WT 45	Gas Tungsten Arc Welding	3	3

Welding Technology
Certificate of Achievement
One-Year Plan

Required Core Courses: 27 units

Total Units: 30 units

Course Number	Course Title	Fall	Spring	Summer
ENGL	English Composition Course	3		
MATH 53	Technical Mathematics		3	
IT 72	Facilities Maintenance I		2	
PGT 22	Operations Maintenance and Safety	1		
WT 20	Power Plant and Field Pipe Welding I	3		
WT 21	Power Plant and Field Pipe Welding II	3		
WT 22	Power Plant and Field Pipe Welding III		3	
WT 23	Power Plant and Field Pipe Welding IV		3	
WT 36	Welding Theory & Practice – Oxyacetylene	3		
WT 37	Welding Theory & Practice – Shielded Metal Arc Welding		3	
	Required Electives Requirement			3
	Total	13	14	3

Required Electives: 3 units

Any three units from the following courses can be used to satisfy this requirement.

	Required Elective Options	Fall	Spring
WT 40	Oxyacetylene Welding	3	3
WT 41	Beginning Shielded Metal Arc Welding	3	3
WT 42	Intermediate Shielded Metal Arc Welding	3	3
WT 43	Advanced Shielded Metal Arc Welding	3	3
WT 44	Gas Metal Arc Welding	3	3
WT 45	Gas Tungsten Arc Welding	3	3

Welding Technology
Certificate of Completion

Required Core Courses: 15 units

Total Units: 15 units

Course Number	Course Title	Fall	Spring
IT 72	Facilities Maintenance I		2
PGT 22	Operations Maintenance and Safety	1	
WT 20	Power Plant and Field Pipe Welding I	3	
WT 21	Power Plant and Field Pipe Welding II		3
WT 36	Welding Theory & Practice – Oxyacetylene	3	
WT 37	Welding Theory & Practice – Shielded Metal Arc Welding		3
	Total	7	8

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