

# CERTIFICATES AND DEGREES

<b>Technical Certificate A</b>		
<b>Freshman: First Semester</b>		
Course #	Course Name	Credits
TEC 105	OSHA 10 General Industry (OSHA 30 is an approved substitution)	1
WELD 110	Oxy Fuel Welding	2
WELD 115	Cutting Processes	3
WELD 120	Welding Blueprint Reading I	3
WELD 125	Automated Cutting Processes	2
WELD 130	SMAW	3
WELD 135	GMAW	3
WELD 140	Practicum in Fabrication I	2
WELD 145	Core Wire Welding	3
<b>Total Certificate Credits</b>		<b>22</b>

<b>Technical Certificate B</b>		
<b>Freshman: First Semester</b>		
Course #	Course Name	Credits
TEC 105	OSHA 10 General Industry (OSHA 30 is an approved substitution)	1
WELD 110	Oxy Fuel Welding	2
WELD 115	Cutting Processes	3
WELD 120	Welding Blueprint Reading I	3
WELD 125	Automated Cutting Processes	2
WELD 130	SMAW	3
WELD 135	GMAW	3
WELD 140	Practicum in Fabrication I	2
WELD 145	Core Wire Welding	3
<b>Freshman: Second Semester</b>		
Course #	Course Name	Credits
TEC 205	Forklift Operator Training	1
WELD 150	Welding Blueprint Reading II	3
WELD 155	GTAW	3
WELD 160	GMAW II	4
WELD 165	Practicum in Fabrication II	2
WELD 170	Pipe Welding SMAW	3
WELD 175	SMAW II	4
WELD 180	Pipe Welding TIG	2
<b>Total Certificate Credits</b>		<b>44</b>

<b>Technical Certificate C</b>		
<b>Freshman: First Semester</b>		
Course #	Course Name	Credits
MATH 102	Technical Math (or Math Elective) <sup>030</sup>	3
TEC 105	OSHA 10 General Industry (OSHA 30 is an approved substitution)	1
WELD 110	Oxy Fuel Welding	2
WELD 115	Cutting Processes	3

WELD 120	Welding Blueprint Reading I	3
WELD 125	Automated Cutting Processes	2
WELD 130	SMAW	3
WELD 135	GMAW	3
WELD 140	Practicum in Fabrication I	2
WELD 145	Core Wire Welding	3
<b>Freshman: Second Semester</b>		
Course #	Course Name	Credits
FIN 205	Principles of Personal Finance <sup>070</sup>	3
INF 101	Introduction to Computer Information Systems (or Science elective) <sup>070</sup>	3
TEC 205	Forklift Operator Training	1
WELD 150	Welding Blueprint Reading II	3
WELD 155	GTAW	3
WELD 160	GMAW II	4
WELD 165	Practicum in Fabrication II	2
WELD 170	Pipe Welding SMAW	3
WELD 175	SMAW II	4
WELD 180	Pipe Welding TIG	2
<b>Total Certificate Credits</b>		<b>53</b>

<b>Associate of Applied Science</b>		
<b>Freshman: First Semester</b>		
Course #	Course Name	Credits
MATH 102	Technical Math (or Math Elective) <sup>030</sup>	3
TEC 105	OSHA 10 General Industry (OSHA 30 is an approved substitution)	1
WELD 110	Oxy Fuel Welding	2
WELD 115	Cutting Processes	3
WELD 120	Welding Blueprint Reading I	3
WELD 125	Automated Cutting Processes	2
WELD 130	SMAW	3
WELD 135	GMAW	3
WELD 140	Practicum in Fabrication I	2
WELD 145	Core Wire Welding	3
COMM 204	Interpersonal Communication (or ENG/COMM elective) <sup>010 or 020</sup>	3
TEC 200	Workplace Ethics (or general education elective) <sup>050</sup>	3
<b>Freshman: Second Semester</b>		
Course #	Course Name	Credits
FIN 205	Principles of Personal Finance <sup>070</sup>	3
INF 101	Introduction to Computer Information Systems (or Science elective) <sup>070</sup>	3
TEC 205	Forklift Operator Training	1
WELD 150	Welding Blueprint Reading II	3
WELD 155	GTAW	3
WELD 160	GMAW II	4
WELD 165	Practicum in Fabrication II	2
WELD 170	Pipe Welding SMAW	3
WELD 175	SMAW II	4
WELD 180	Pipe Welding TIG	2
ART 180	Fundamentals & Appreciation of Art (or general education elective) <sup>060</sup>	3
<b>Total Degree Credits</b>		<b>62</b>

**Systemwide General Education (SGE) Key**

010 English

020 Communications

030 Math & Statistics

040 Natural & Physical Sciences

050 Social & Behavioral Science

060 Arts & Humanities

070 Institutionally Designated

\* Course descriptions for General Education courses can be found in the General Education section of the College Catalog.