



(Associate in Applied Science)

# Welding Technology

(Industrial & Equipment Specialty)

ICCB Code: AAS 0032

Required Courses						
	Lec	Lab	Cr	RCC	Sem/Yr	Transfer
<b>First Semester</b>						
Engl 110 Communicating in the Workplace (or *Engl 101)	3	0	3			
ENGT 102 Blueprint Reading (formerly Mfg 100) (or Draft 101)	1	2	2			
Math 104 Technical Mathematics	4	0	4			
Weld 100 Oxy-Acetylene and Plasma Arc Cutting	0	2	1			
Weld 101 Shielded Metal Arc Welding	2	6	4			
Weld 102 Advanced Shielded Metal Arc Welding	0	8	4			
Subtotals	10	18	18			
<b>Second Semester</b>						
ENGT 105 Occupational Safety (formerly Ind S 100)	3	0	3			
ENGT 160 Metrology	1	2	2			
Weld 190 Maintenance Welding	0	4	2			
Weld 103 Welding Tools & Safety (New Course)	2	2	3			
Weld 201 Gas Metal Arc and Flux Core Arc Welding	0	4	2			
Weld 202 Welder Certification	0	4	2			
General Education Elective (recommend Phys 100)	3	0	3			
Subtotals	9	16	17			
<b>Third Semester</b>						
ENGT 100 Industrial Processes (formerly Mfg 120)	3	0	3			
ENGT 200 Industrial Materials (formerly Mfg 110)	3	0	3			
ENGT 260 Quality Fundamentals (formerly Prod C 130)	3	0	3			
Spch 120 Business & Professional Speaking (or *Spch 101)	2	2	3			
Weld 204 Pipe Welding	0	8	4			
Subtotals	11	10	16			
<b>Fourth Semester</b>						
ENGT 231 Piping Fundamentals (formerly MecS 240)	1	2	2			
ENGT 232 Rigging & Cranes (formerly MecS 230)	1	2	2			
ENGT 290 Work Experience Practicum & Seminar (or ENGT 295)	1	10	3			
P Rel 100 Human Relations	3	0	3			
Weld 205 Gas Tungsten Arc Welding	0	6	3			
Subtotals	6	20	13			
<b>Program Total 64</b>						

\*Students that are considering transfer options should take this course.

<b>Students must receive grade of "C" or better in Engl 101.</b>
------------------------------------------------------------------

Other Graduation Requirements:

1. 2.00 (C) Grade Point Average for all courses at RCC
2. Constitution Exam, if not completed in Illinois High School

Constitution Exam Met: 

Comments: \_\_\_\_\_

**Connected Certificate(s):**

- Welding Technician;
- Welding