



(Associate in Applied Science)  
**Welding Technology**  
 (Construction & Pipe Specialty)

ICCB Code: AAS 0032

Required Courses							
First Semester	Lec	Lab	Cr	RCC	Sem/Yr	Transfer	
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				
Second Semester	Lec	Lab	Cr				
P Rel 100 Human Relations	3	0	3				
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				
Weld 204 Pipe Welding	0	8	4				
Weld 205 Gas Tungsten Arc Welding	0	6	3				
Subtotals	5	24	17				
Third Semester	Lec	Lab	Cr				
Weld 230 Pipefitting Fundamentals (New Course)	1	4	3				
Weld 240 Non-Ferrous Welding (New Course)	1	5	3				
Weld 241 GMAW/FCAW Pipe (New Course)	0	7	3				
Weld 242 Aluminum Plate & Pipe (New Course)	1	5	3				
Spch 120 Business & Professional Speaking (or *Spch 101)	2	2	3				
Subtotals	5	23	15				
Fourth Semester	Lec	Lab	Cr				
Weld 231 Pipefitting Applications (New Course)	2	6	4				
Weld 232 Pipefitting Techniques (New Course)	2	6	4				
Weld 233 Pipe Fabrication (New Course)	1	4	3				
Weld 234 Field Maintenance & Safety (New Course)	2	6	4				
General Education Elective (recommend Phys 100)	3	0	3				
Subtotals	10	22	18				
<b>Program Total 68</b>							

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

**Students must receive grade of "C" or better in Engl 101.**

Other Graduation Requirements:

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

Constitution Exam Met:

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

**Connected Certificate(s):**

- Pipefitting & Pipe Welding;
- Welding