



(Certificate)
Welding Technician

ICCB Code: C 032A

Required Courses							
First Semester	Lec	Lab	Cr	RCC	Sem/Yr	Transfer	
ENGT 102 Blueprint Reading (formerly Mfg 100) (or Draft 101)	1	2	2				
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	3	18	11				
Second Semester	Lec	Lab	Cr				
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				
Subtotals	6	12	12				
Third Semester	Lec	Lab	Cr				
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				
Weld 205 Gas Tungsten Arc Welding	0	6	3				
Subtotals	9	6	12				
Fourth Semester	Lec	Lab	Cr				
ENGT 231 Piping Fundamentals (formerly MecS 240)	1	2	2				
ENGT 232 Rigging & Cranes (formerly MecS 230)	1	2	2				
Weld 202 Welder Certification	0	4	2				
Weld 204 Pipe Welding	0	8	4				
Subtotals	2	16	10				
Program Total 45							

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

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 Degree & Certificate(s):

- Welding AAS (Industrial & Equipment Specialty);
- Welding