



(Certificate)

# Machine Repair

ICCB Code: C 300G

Required Courses						
<b>First Semester</b>	Lec	Lab	Cr	RCC	Sem/Yr	Transfer
ENGT 100 Industrial Processes (formerly Mfg 120)	3	0	3			
ENGT 101 Motor Control Fundamentals (formerly Eltrn 109)	3	3	4			
ENGT 103 Fluid Power Fundamentals (formerly MecS 112)	2	2	3			
ENGT 104 CNC Fundamentals (formerly CIM 102)	2	2	3			
Subtotals	10	7	13			
<b>Second Semester</b>	Lec	Lab	Cr			
ENGT 102 Blueprint Reading (formerly Mfg 100 (or Draft 215))	3	0	3			
ENGT 105 Occupational Safety (formerly Ind S 100)	3	0	3			
ENGT 111 Motor Control Applications (formerly Eltrn 113)	3	3	4			
ENGT 130 Power Transmission Fundamentals (formerly MecS 101)	3	2	4			
Subtotals	12	5	14			
<b>Third Semester</b>	Lec	Lab	Cr			
ENGT 214 Motion Control Applications (formerly Eltrn 231)	2	2	3			
ENGT 230 Power Transmission Applications (formerly MecS 102)	2	2	3			
ENGT 233 Lubrication Systems (formerly MecS 220)	1	2	2			
Weld 195 Industrial Welding Fundamentals	1	4	3			
Subtotals	6	10	11			
<b>Fourth Semester</b>	Lec	Lab	Cr			
ENGT 215 Motion Control Systems (formerly Eltrn 232)	2	2	3			
ENGT 231 Piping Fundamentals (formerly MecS 240)	1	2	2			
ENGT 232 Rigging & Cranes (formerly Mec S 230)	1	2	2			
ENGT 235 Industrial Machinery Repair (formerly Mec S 201)	1	2	2			
ENGT 242 Fluid Power Systems (formerly Mec S 250)	2	2	3			
ENGT 299 Systems Integration (or ENGT 290 or ENGT 295)	1	4	3			
Subtotals	8	14	15			
<b>Program Total 53</b>						

\*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):**

- Engineering Technology AAS (Machine Repair Specialty);
- Industrial Maintenance