



(Certificate)

Mechanical Systems

ICCB Code: C 300I

Required Courses						
First Semester	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			
Second Semester	Lec	Lab	Cr			
Draft 215 AutoCAD (or ENGT 102 (formerly Mfg 100)	2	3	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			
ENGT 150 Machining Fundamentals (formerly Mach 101)	1	2	2			
Subtotals	12	10	16			
Third Semester	Lec	Lab	Cr			
ENGT 230 Power Transmission Applications (formerly MecS 102)	2	2	3			
ENGT 233 Lubrication Systems (formerly MecS 220)	1	2	2			
ENGT 234 Pump Applications (formerly Mec S 210)	1	2	2			
Weld 195 Industrial Welding Fundamentals	1	4	3			
Subtotals	5	10	10			
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			
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	6	12	12			
Program Total 51						

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

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 Degree & Certificate(s):

- Engineering Technology AAS (Mechanical Systems Specialty);
- Industrial Maintenance