



(Certificate)

Fluid Power Systems

ICCB Code: C 300E

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 240 Hydraulic Applications (formerly MecS 110)	2	2	3			
Subtotals	13	10	17			
Third Semester	Lec	Lab	Cr			
ENGT 212 Motor Control Systems (formerly Eltrn 151)	3	3	4			
ENGT 233 Lubrication Systems (formerly MecS 220)	1	2	2			
ENGT 234 Pump Applications (formerly Mec S 210)	1	2	2			
ENGT 241 Pneumatic Applications (formerly Mec S 111)	2	2	3			
Subtotals	7	9	11			
Fourth Semester	Lec	Lab	Cr			
ENGT 120 Process Control Fundamentals (formerly Eltrn 201)	2	2	3			
ENGT 231 Piping Fundamentals (formerly MecS 240)	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	10	11			
Program Total 52						

*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 (Fluid Power Specialty);
- Industrial Maintenance