



(Associate in Applied Science)

Engineering Technology

Machine Repair Specialty

ICCB Code: AAS 3000

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			
Math 104 Technical Mathematics (or Math 110)*	4	0	4			
Subtotals	14	7	17			
Second Semester	Lec	Lab	Cr			
Engl 110 Communicating in the Workplace (or Engl 101)*	3	0	3			
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	15	5	17			
Third Semester	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			
Spch 120 Business & Professional speaking (or Spch 101)*	2	2	3			
Weld 195 Industrial Welding Fundamentals	1	4	3			
Social Science Elective (recommend Econ 231)	3	0	3			
Subtotals	11	12	17			
Fourth Semester	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			
General Education Elective (recommend Phys 100)	3	0	3			
Subtotals	11	14	18			
Program Total 69						

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

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

- Machine Repair;
- Industrial Maintenance