



(Certificate)

# Manufacturing Engineering Technology

ICCB Code: C 300H

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 101)	3	0	3			
ENGT 105 Occupational Safety (formerly IndS 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 160 Metrology	1	2	2			
Subtotals	13	7	16			
<b>Third Semester</b>	Lec	Lab	Cr			
Draft 215 AutoCAD	2	3	3			
ENGT 200 Industrial Materials (formerly Mfg 110)	3	0	3			
ENGT 213 Robotic Fundamentals (formerly Robot 101)	2	2	3			
ENGT 260 Quality Fundamentals (formerly Prod C 130)	3	0	3			
Subtotals	10	5	12			
<b>Fourth Semester</b>	Lec	Lab	Cr			
CIS 110 Business Applications	2	2	3			
ENGT 252 CAM Applications (formerly CIM 101)	2	2	3			
ENGT 299 Systems Integration (or ENGT 290 or ENGT 295)	1	4	3			
Subtotals	5	8	9			
<b>Program Total 50</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 (Manufacturing Engineering Technology);
- Industrial Maintenance