



(Certificate)

CNC Technology

ICCB Code: C 300C

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 236 Pro-Engineer (or Draft 215)	3	2	4			
ENGT 102 Blueprint Reading (formerly Mfg 100) (or Draft 101)	3	0	3			
ENGT 105 Occupational Safety (formerly IndS 100)	3	0	3			
ENGT 150 Machining Fundamentals (formerly Mach 101)	1	2	2			
ENGT 151 Cutting & Workholding (formerly Mach 102)	1	2	2			
ENGT 160 Metrology	1	2	2			
Subtotals	12	8	16			
Third Semester	Lec	Lab	Cr			
ENGT 200 Industrial Materials (formerly Mfg 110)	3	0	3			
ENGT 250 CNC Turning (formerly Mach 201)	2	2	3			
ENGT 251 CNC Milling (formerly Mach 202)	2	2	3			
ENGT 260 Quality Fundamentals (formerly Prod C 130)	3	0	3			
Subtotals	10	4	12			
Fourth Semester	Lec	Lab	Cr			
ENGT 213 Robotic Fundamentals (formerly Robot 101)	2	2	3			
ENGT 252 CAM Applications (formerly CIM 101)	2	2	3			
Weld 195 Industrial Welding Fundamentals	1	4	3			
Subtotals	5	8	9			
Program Total 50 (or 49)						

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

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

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 (CNC Specialty);

Connected Certificate(s):

- CNC Technician;
- CNC Operator