



(Associate in Applied Science)

Engineering Technology

CNC 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			
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			
Spch 120 Business & Professional speaking (or Spch 101)*	3	0	3			
Social Science Elective (recommend Econ 231)	3	0	3			
Subtotals	16	4	18			
Fourth Semester	Lec	Lab	Cr			
Engl 110 Communicating in the Workplace (or Engl 101)*	3	0	3			
ENGT 213 Robotic Fundamentals (formerly Robot 101)	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			
Weld 195 Industrial Welding Fundamentals	1	4	3			
General Education Elective (recommend Phys 100)	3	0	3			
Subtotals	12	12	18			
Program Total 69 (or 68)						

*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 Certificate(s):

- CNC Technician;
- CNC Operator