



AAS  
**Engineering Technology**  
 Biofuels Technician

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			
Spch 120 Business & Professional speaking (or Spch 101)*	3	0	3			
Math 113 Introduction to Applied Statistics	4	0	4			
Subtotals	15	5	17			
Second Semester	Lec	Lab	Cr			
ENGT 102 Blueprint Reading (formerly Mfg 100) (or Draft 101)	3	0	3			
ENGT 105 Occupational Safety (formerly Ind S 100)	3	0	3			
ENGT 107 BioFuel Manufacturing Fundamentals (New Course)	2	2	3			
ENGT 111 Motor Control Applications (formerly Eltrn 113)	3	3	4			
ENGT 120 Process Control Fundamentals (formerly Eltrn 201)	2	2	3			
ENGT 125 BioProcess Operation Fundamentals (New Course)	1	2	2			
Subtotals	14	9	18			
Third Semester	Lec	Lab	Cr			
ENGT 210 PLC Fundamentals (formerly Eltrn 204)	3	2	4			
ENGT 220 Process Control Applications	2	2	3			
ENGT 225 BioProcess Operation Applications (New Course)	2	4	4			
ENGT 260 Quality Fundamentals (formerly Prod C 130)	3	0	3			
ENGT 270 Biofuel Manufacturing Applications or ENGT 275 (New Course)	2	2	3			
Subtotals	12	10	17			
Fourth Semester	Lec	Lab	Cr			
BIOL 210 Environmental Biology	3	2	4			
Engl 110 Communicating in the Workplace (or Engl 101)*	3	0	3			
ENGT 231 Piping Fundamentals (formerly Mec S 240)	1	2	2			
ENGT 271 Biofuel Manufacturing Techniques or ENGT 276 (New Course)	2	2	3			
Phys 100 Physics for the Modern World (or Phys 101)	4	0	4			
Subtotals	13	6	16			
<b>Program Total 68</b>						

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

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

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: \_\_\_\_\_  
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**Connected Certificate(s):**

- Put all career laddering certificates here