



(Associate in Applied Science)

Engineering Technology

Facilities Maintenance Specialty

ICCB Code: AAS 3000

Required Courses						
First Semester	Lec	Lab	Cr	RCC	Sem/Yr	Transfer
ENGT 101 Motor Control Fundamentals (formerly Eltrn 109)	3	3	4			
ENGT 103 Fluid Power Fundamentals (formerly MecS 112)	2	2	3			
HVAC 100 Refrigeration Fundamentals	3	0	3			
HVAC 102 Refrigeration Applications	2	2	3			
Math 104 Technical Mathematics (or Math 110)*	4	0	4			
Subtotals	14	7	17			
Second Semester	Lec	Lab	Cr			
ENGT 105 Occupational Safety (formerly Ind S 100)	3	0	3			
ENGT 111 Motor Control Applications (formerly Eltrn 113)	3	3	4			
ENGT 120 Process Control Fundamentals (formerly Eltrn 201)	2	2	3			
HVAC 106 Tools & Piping	2	2	3			
HVAC 140 Troubleshooting Air Conditioning Systems	2	2	3			
Subtotals	12	9	16			
Third Semester	Lec	Lab	Cr			
Engl 110 Communicating in the Workplace (or Engl 101)*	3	0	3			
ENGT 212 Motor Control Systems (formerly Eltrn 151)	3	3	4			
HVAC 242 Residential Heating Systems	2	2	3			
Spch 120 Business & Professional speaking (or Spch 101)*	2	2	3			
Social Science Elective (recommend Econ 231)	3	0	3			
Subtotals	13	7	16			
Fourth Semester	Lec	Lab	Cr			
Draft 215 AutoCAD (or ENGT 102 formerly Mfg 100)	2	3	3			
ENGT 232 Rigging & Cranes (formerly Mec S 230)	1	2	2			
**ENGT 290 Work Experience Practicum & Seminar (or ENGT 295)	1	10	3			
HVAC 250 Commercial Air Conditioning	2	2	3			
HVAC 252 Commercial Heating Systems	2	2	3			
General Education Elective (recommend Phys 100)	3	0	3			
Subtotals	11	19	17			
Program Total 66						

*Take this course if you plan on transferring to a University

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

**HVAC 290 or HVAC 295 can also be substituted

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):

- Facilities Maintenance Technician;
- Building Maintenance