

Residential and Light Commercial HVAC & R

Commercial HVAC Systems

<i>1st Semester</i>	Units	Hrs	<i>2nd Semester</i>	Units	Hrs	<i>3rd Semester</i>	Units	Hrs	<i>4th Semester</i>	Units	Hrs.
ECT 013 Fundamentals of Refrigeration (3+3)	4	6	ECT 014 Advanced Refrigeration (1.5 + 1.5)	2	3	ECT 022 Commercial HVAC Systems (1.5+1.5)	2	3	ECT 027 Advanced DDC Controls (3+3)	4	6
ECT 011 Mechanical & Electrical Devices & Controls (1.5+1.5)	2	3	ECT 015 Refrigeration Equipment Troubleshooting (1.5+1.5)	2	3	ECT 024 Commercial HVAC System Troubleshooting (1+3)	2	4	ECT 026 Advanced Building Commissioning (2+3)	3	5
ECT 214 Technical Mathematics for ECT (3+0)	3	3	ECT 016 Fundamentals of Heating & Air Conditioning (1.5+1.5)	2	3	ECT 025 Introduction to Building Commissioning (1.5+1.5)	2	3	ECT 213 Building Envelope & Indoor Air Quality (1+0)	1	1
ECT 012 Mechanical & Electrical Blueprint Reading (1.5+0)	1.5	1.5	ECT 017 Residential and Light commercial HVAC Troubleshooting (.5+1.5)	1	2	ECT 212 Testing, Balancing, & Adjusting (1.5+1.5)	2	3	ECT 023 HVAC System Design (2+0)	2	2
E/ET 202 Fundamentals of Electricity (1.5+1.5)	2	3	ECT 018 Residential and Light Commercial HVAC Installation Practices (.5+1.5)	1	2	E/ET 011 Commercial Electricity for HVAC Applications (1.5+1.5)	2	3	ECT 029 Data Analysis for Performance Monitoring (1.5+1.5)	2	3
ECT 211 Mechanical & Electrical Codes (1.5+0)	1.5	1.5	E/ET 221 Motors & Drives (1.5+1.5)	2	3	ECT 019 Psychrometrics & Load Calculations (2+0)	2	2	ECT 030 Introduction to Control Systems Networking (.5+1.5)	1	2
WEL 215 Welding for ECT Technicians (1+1.5)	1.5	2.5	ECT 028 Energy Mgt & Efficiency in Bldg. Systems (2+0)	2	2	ECT 021 Introduction to Direct Digital Controls (1.5+1.5)	2	3	<i>Electives</i>		
									ECT 219 High Tech Facilities	1	1
									ECT 217 Eutectic Refrigeration	1	1
ECT 01 Physics for Building Science (summer rec. prep.)	4								ECT 218 Ultra-low Refrigeration Systems	1	1
Computer Literacy (.5+1.5) Rec. Prep.	1								E/ET 222 Distributed Power Generation [Electrical Dept.]	1	1
Business Communications	3								E/ET 012 Energy Efficient Lighting Design & Application	1	1
Hours	20.5		18.0			21.0			19		
Units	15.5		12			14			13		