

# Tech Express Articulation to Valencia Energy Management & Controls Technology A.S. Degree

with [Orange Technical College Air Conditioning, Refrigeration & Heating Technology Apprenticeship, HVAC/R, Electricity, Electrical Apprenticeship, and Mechatronics Programs](#) for 6-15 earned college credits as shown below

*(Please see EMCT Career Program Advisor for A.S. degree and/or technical certificate course scheduling options.)*

**Criteria for Award of Credit:** Students completing an articulated program at Orange Technical College (OTC) can earn Valencia College (VC) credits in the articulated Associate in Science degree by satisfying the following criteria: 1. Prior to graduation, it is recommended that you meet with your campus Tech Express to Valencia advisor; 2. Complete required technical college program at OTC; 3. Complete approved assessment(s) listed below for award of credit; 4. Enroll and attend Valencia College after technical college graduation. Valencia will award Tech Express credits up to three years after technical college graduation. Beyond three years, exceptions will be considered if students can demonstrate current industry knowledge (e.g., employer letter); 5. Provide documentation required for approved assessment(s) to VC Career Program Advisor or Program Chair for articulated A.S. degree. Upon completion of evaluation process, credit will be awarded after drop/add date.

## Course Equivalency in Specialized Courses:

OTC Articulated Program	Assessment for Award of Credit	VC Course and Credit	Earned Credit Potential	VC A.S. Degree
HVAC/R 1 & 2 (750 + 600 hours = 1350 total hours)	<i>Current</i> and <i>valid</i> copy of required EPA 608 Universal Certification	ETM 2943 Energy Mgmt. & Controls Technology Practicum (6 credits)	6 credits	Energy Management & Controls Technology
HVAC/R Specialization <i>Advanced Service Practices</i>		ETM 2943 Energy Mgmt. & Controls Technology Practicum (9 credits)		
HVAC/R Specialization <i>Advanced Commercial &amp; Industrial</i>	<i>Current</i> and <i>valid</i> copy of required EPA 608 Universal Certification	ETM 2943 Energy Mgmt. & Controls Technology Practicum (9 credits)	9 credits	
A/C Refrigeration & Heating Technology Apprenticeship  MFC: Sponsor OPP JATC (10,000 hours-5 years)  WS: Sponsor ACCA/CF (6,000 hours-3 years)	HVAC Apprenticeship certification of completion <b>and</b> Letter from employer validating commercial HVAC training/work experience of student	ETM 2943 Energy Mgmt. & Controls Technology Practicum (12 credits)	12 credits	Energy Management & Controls Technology

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with [Orange Technical College Air Conditioning, Refrigeration & Heating Technology Apprenticeship, HVAC/R, Electricity, Electrical Apprenticeship, and Mechatronics Programs](#) for 9-12 earned college credits as shown below

(Please see EMCT Career Program Advisor for A.S. degree and/or technical certificate course scheduling options.)

## Course Equivalency in Specialized Courses: (continued)

OTC Articulated Program	Assessment for Award of Credit	VC Course and Credit	Earned Credit Potential	VC A.S. Degree
Electricity (1200 Hours)	<p><u>Current</u> and <u>valid</u> copy required of the following industry certifications: 1) NCCER Core Curriculum Certification <b>and</b> 2) NCCER for Electricity Level 1 Certification.</p>	ETM 2943 Energy Mgmt. & Controls Technology Practicum (9 credits)	9 credits	Energy Management & Controls Technology
Electrical Apprenticeship  MF/WS/WP: Sponsor FEAT (8,000 Hours-4 years)  MF: Sponsor CFE JATC (8,000 Hours-4 years)	Electrical Apprenticeship certificate of completion.	ETM 2943 Energy Mgmt. & Controls Technology Practicum (12 credits)	12 credits	Energy Management & Controls Technology
Electronic Systems Integration & Automation (750 Hours)	<p><u>Current</u> and <u>valid</u> copy required of the following industry certifications: 1) Custom Electronics Design &amp; Installation Associate Electronic Systems Certified (CEDIA ESC) and 2) Electronic Systems Professional Alliance (ESPA) certification.</p>	ETM 2943 Energy Mgmt. & Controls Technology Practicum (9 credits)	9 credits	Energy Management & Controls Technology
Mechatronics (1500 Hours)	<p><u>Current</u> and <u>valid</u> copy of the following NIMS certifications:</p> <ul style="list-style-type: none"> <li>▪ Basic Hydraulic, Mechanical and Pneumatic Systems Certifications (3 certifications)</li> <li>▪ Electrical Systems Certification</li> <li>▪ Electronic Control Systems Certification</li> <li>▪ Maintenance Operations Certification</li> <li>▪ Process Control Systems Certification</li> </ul>	ETM 2943 Energy Mgmt. & Controls Technology Practicum (12 credits)	12 credits	Energy Management & Controls Technology