

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, Electronic Systems, Integration & Automation and Mechatronics Programs](#) for 9-21 earned college credits as shown below

(Please see *School of Engineering, Technology, and Manufacturing Student Success Coach 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 your Technical program graduation, it is recommended that you meet with your campus Tech Express to Valencia Coach; 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 a Tech Express Coach. Upon completion of evaluation process, credit will be awarded.

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(750 hrs) <i>Advanced Service Practices Track</i>	<u>Current</u> and <u>valid</u> copy of required EPA 608 Universal Certification	ETM 2943 Energy Mgmt. & Controls Technology Practicum (12 credits)	12 credits	Energy Management & Controls Technology
HVAC/R 2(600 hrs) <i>Advanced Commercial & Industrial Track</i>	<u>Current</u> and <u>valid</u> copy of required EPA 608 Universal Certification	ETM 2943 Energy Mgmt. & Controls Technology Practicum (3 credits) ETM 1600C Automation and Controls Fundamentals (3 credits) ETM 1601C HVAC Systems and Devices (3 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 and Letter from employer validating commercial HVAC training/work experience of student	ETM 2943 Energy Mgmt. & Controls Technology Practicum (15 credits) ETM 1600C Automation and Controls Fundamentals (3 credits) ETM 1601C HVAC Systems and Devices (3 credits)	21 credits	Energy Management & Controls Technology

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(Please see School of Engineering, Technology, and Manufacturing Student Success Coach 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)	<u>Current</u> and <u>valid</u> copy required of the following industry certifications: 1) NCCER Core Curriculum Certification and 2) NCCER for Electricity Level 1 Certification.	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)	<u>Current</u> and <u>valid</u> copy required of the following industry certifications: 1) Custom Electronics Design & Installation Associate Electronic Systems Certified (CEDIA ESC) and 2) Electronic Systems Professional Alliance (ESPA EST) Electronic Systems Technician certification.	ETM 2943 Energy Mgmt. & Controls Technology Practicum (9 credits)	9 credits	Energy Management & Controls Technology
Mechatronics (1500 Hours)	<u>Current</u> and <u>valid</u> copy of the MSSC Certified Production Technician (CPT) certification	ETM 2943 Energy Mgmt. & Controls Technology Practicum (12 credits)	12 credits	Energy Management & Controls Technology