

**Tech Express Articulation Agreement
Between
VALENCIA COLLEGE**

**A.S. degree in Electrical and Computer Engineering Technology
and**

**THE SCHOOL BOARD OF ORANGE COUNTY, FLORIDA O/B/O
ORANGE TECHNICAL COLLEGE**

Mechatronics

In a continuing effort to provide career ladder opportunities for students in career and technical education programs, Valencia College agrees to extend full college credit at no cost to eligible students who have completed the following articulated program at Orange Technical College and met all of the requirements.

COURSE EQUIVALENCY IN SPECIALIZED COURSES

ORANGE TECHNICAL COLLEGE

**Mechatronics
(1500 Hours)**

VALENCIA COLLEGE PROGRAM

(Certification and Credit-by Exam)

**Electrical and Computer Engineering Technology A.S. Degree
(Up to 15 Credits)**

ETS 2542C Programmable Logic Controllers I (3 credits)
ETS 1603C Fundamentals of Robotics and Simulation (3 cr.)
ETS 2511C Electromechanical Systems (3 credits)

Additional Credit based on Credit-by-Exam (6 credits)

*EET 1015C Fundamentals of DC Circuits (3 credits)
*EET 1025C Fundamentals of AC Circuits (3 credits)

*Students are eligible to receive additional credit through credit-by-exam after successful completion of MTB 1329 Business Math and EET 1214C Introduction to Engineering Technology.

MAXIMUM AWARD OF CREDIT

This agreement makes it possible for a student to receive up to fifteen (15) semester hours of college credit towards the Electrical and Computer Engineering Technology A.S. degree program at Valencia College which is in accordance with commonly accepted good practice in higher education.

ASSESSMENT AND COURSE EQUIVALENCY

Valencia and Orange Technical College faculty and staff with responsibility for supervision and coordination of the articulated programs have reviewed and assessed the program curriculum for alignment of learning outcomes and determined that the learning outcomes, performance standards, and assessment procedures meet the college standards for college credit course work.

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The following materials were reviewed to align the program learning outcomes and determine the equivalency of the content and course work to be articulated: *(curriculum frameworks, samples of instructional materials, syllabi with learning outcomes, various assignments and assessments, and textbooks).*

VALIDATION MECHANISM

The validation mechanism for awarding college credit is based on the following student assessments that are identified for each articulated program: *(portfolio review, special projects, performance-based, industry certifications/licensure, written assessments skills inventory assessments or a combination).*

TRANSFERRING PROCESS

To receive college credit for the articulated programs completed at Orange Technical College, transferring students must meet the following requirements:

1. Meet with the Tech Express advisor as part of the Exit process for graduation from Orange Technical College to review and prepare documentation for transition to Valencia College.
2. Apply for admission to Valencia College and meet the College entrance requirements (Tech Express advisors can assist students with this process).
3. Submit a completed Valencia College application for admission, satisfy the requirements for Degree-Seeking Status, including submission of all official transcripts, and declare a major in the articulated program.
4. Be accepted into Valencia within three years of completing the Orange Technical College program. *(Note: If it's been longer than 3 years, an exception will be considered if the student can demonstrate they have current industry knowledge (i.e. through an employer letter, etc.)*
5. Complete orientation and comply with the appropriate placement, course prerequisites and requirements of the college.
6. Following enrollment at the college, student must meet with Valencia's Career Program Advisor to review and verify all of the required documentation that has been submitted, and determine eligibility. *(Students must submit their official transcripts verifying completion of the articulated program, as well as all of the documentation that is required for evaluation of their assessment(s) identified below before the college credit can be awarded).*

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TRANSFERRING PROCESS (Cont.)

Required Student Assessments:

- Students must present a *current* and *valid* copy of the following required NIMS certifications:
 - Electronic Control Systems Certification – credit for ETS 2542C and ETS 1603C
 - Electrical Systems Certification – credit for ETS 2511C
 - After successful completion of MTB 1329 and EET 1214C, students may receive credit for the following courses through credit-by-exam:
 - EET 1015C and EET 1025C
7. After reviewing the required documentation and evaluating the approved assessments(s), the Valencia Career Program Advisor or Program Chair for the articulated program will determine eligibility, and notify the Registrar's Office of acceptable credit to be awarded. *(Credit will be awarded after the drop/add date, and the evaluation process has been completed).*

TERMS OF AGREEMENT

This agreement will be reviewed on an ongoing basis to ensure that it remains current and up-to-date. The Valencia Tech Express Advisors will work collaboratively with the Orange Technical College and Valencia College faculty and staff to stay informed of any curriculum/program changes that may impact this agreement and require it to be modified or terminated. If it is determined that an agreement needs to be modified or terminated due to program changes, both institutions will be notified accordingly.