Tech Express Articulation Agreement
Between
VALENCIA COLLEGE

A.S. Degree in Supervision and Management for Industry
and
THE SCHOOL BOARD OF ORANGE COUNTY, FLORIDA O/B/O
ORANGE TECHNICAL COLLEGE

Industry Related Programs

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 one of the following articulated programs at Orange Technical College and met all of the requirements.

This agreement is designed to provide opportunities for students to advance who have completed one of the approved industrial related career certificate or apprenticeship training programs. The Supervision and Management for Industry A.S. degree provides individuals currently working in industry with the opportunity to pursue college level education that is appropriate for supervisory and management roles and upward mobility in their respective fields.

ORANGE TECHNICAL COLLEGE PROGRAMS **(750 - 850 Program Hours - 20 credits)**	**VALENCIA COLLEGE A.S. DEGREE PROGRAM** Supervision & Management for Industry AS **(20 credits)**
Facials & Advanced Esthetics (220/600 Hours) Massage Therapy (750 Hours)	SLS 1301 Career Development (3 credits) ETI 2943 Practicum in Tech Industry (17 credits)

ORANGE TECHNICAL COLLEGE PROGRAMS **(900 - 1450 Program Hours - 24 credits)**	**VALENCIA COLLEGE A.S. DEGREE PROGRAM** Supervision & Management for Industry AS **(24 credits)**
Automotive Collision Technology Technician (1400 Hours) Automotive Service Technology 1 & 2 (1050/700 Hours) Building Construction Technologies (1050 Hours) Cosmetology (1200 Hours) Digital Photography Technology (1050 Hours) Electricity (1200 Hours) Heating, Ventilation, AC/Refrigeration 1 & 2 (1350 Hours Total) Major Appliance and Refrigeration Technician (1200 Hours) Pharmacy Technician (1050 Hours) Plumbing (1080 Hours) Welding Technology and Advanced Welding (1050/750 hours)	SLS 1301 Career Development (3 credits) ETI 2943 Practicum in Tech Industry (21credits)

ORANGE TECHNICAL COLLEGE PROGRAMS **(1500 – 1800+ Program Hours - 27 credits)**	**VALENCIA COLLEGE A.S. DEGREE PROGRAM** Supervision & Management for Industry AS **(27 credits)**
Advanced Automotive Service Tech - Toyota (2400 Hours) Diesel System Technician (1800 Hours) Machining Technologies (1500 Hours)	SLS 1301 Career Development (3 credits) ETI 2943 Practicum in Tech Industry (24 credits)

OTC APPRENTICESHIP PROGRAMS **(Maximum 27 credits)**	**VALENCIA COLLEGE A.S. DEGREE PROGRAM** Supervision & Management for Industry AS **(27 credits)**
AC, Refrigeration & Heating Tech. (ACCA or OPP/JATC) Brick & Block Masonry (MAF) Electrician (FEAT or CFE/JATC) Fire Sprinkler Systems Technology (FSF/JATC) Industrial Pipefitter (OPP/JATC) Mechanical (CFM/JATC) Plumbing Technology (PIPE or OPP/JATC)	SLS 1301 Career Development (3 credits) ETI 2943 Practicum in Tech Industry (24 credits)

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MAXIMUM AWARD OF CREDIT

This agreement makes it possible for a student to receive the following semester hours of college credit towards the Supervision and Management for Industry A.S. degree program at Valencia College which is in accordance with commonly accepted good practice in higher education.

Orange Technical College Program	**Credit Awarded toward Technical Skills Training Requirement of this Degree**
• 750 – 850 hours	20 credits will be awarded
• 900 - 1,450 hours	24 credits will be awarded
• 1,500 - 1,800 hours +	27 credits will be awarded
• Approved Apprenticeships (minimum of 2 years)	27 credits will be awarded

ASSESSMENT AND COURSE EQUVALENCY

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.

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 Coach 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 Coaches 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. *(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 Student Success Coach 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).*

   Required Student Assessments (See Appendix A to identify which assessment is required)

   - Successfully perform a hands-on demonstration (evaluated by Valencia Program Chair)
   - Furnish a copy of an approved *current* and *valid* Florida license
   - Furnish a copy of an approved *current* and *valid* industry certification
   - Meet competencies in an approved skills inventory
   - Present an acceptable portfolio of work (evaluated by Valencia Program Chair)
   - Pass a local, approved assessment (evaluated by Valencia Program Chair)
   - Apprenticeship certificate of completion

7. After verifying the required documentation and evaluating the approved assessments(s), the Valencia Student Success Coach 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).*

FACULTY MEMBERS/INSTRUCTORS ELIGIBILITY FOR AWARD OF CREDIT

This agreement also provides opportunities for teaching faculty & instructors in the specified programs. Faculty members/instructors currently teaching in one of the approved programs are eligible for the award of credit toward the Supervision and Management for Industry A.S. Degree.

FACULTY MEMBERS/INSTRUCTORS ELIGIBILITY FOR AWARD OF CREDIT (Cont.)

Faculty Members/Instructors must meet the following criteria:

1. Requirements in items 1-7 in the Transferring Process section of this agreement.

2. Furnish transcripts from Orange Technical College or from the institution in which the training program was completed, furnish a copy of a *current* and *valid* Florida license and/or industry certification related to the instructional program field (does not include a teaching certificate), or provide evidence of at least six years of work experience comparable to the skills and knowledge included in the training program validated by Orange Technical College.

3. Provide a letter from Orange Technical College identifying the faculty member/ instructor as an eligible candidate for this program.

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 Coaches 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.

ASSESSMENTS FOR ORANGE TECHNICAL COLLEGE PROGRAMS ARTICULATING INTO VALENCIA'S SUPERVISION & MANAGEMENT A.S. DEGREE

Orange Technical College Program	Licensure Required	Certification Required	Other
Advanced Automotive Service Technology Toyota - Toyota (2400 Hours)		*Provide test results for Two of the following ASE certifications from the National Institute for Automotive Service Excellence:* A1, A2, A3, A4, A5, A6, A7, A8	
Automotive Collision Technology and Technician (1400 hours)		*Provide I-CAR certification from the Inter-Industry Conference on Auto Collision Repair OR the ASE Entry-Level Certification.* For students who do not have these certifications, a portfolio notebook with documentation of certificates earned and skills acquired will be considered.	
Automotive Service Technology 1 & 2 (1050/700 hours)		*Provide test results for One of the following ASE certifications from the National Institute for Automotive Service Excellence:* A1, A2, A3, A4, A5, A6, A7, A8, G1 *OR the ASE Entry-Level Certification*	
Building Construction Technologies (1050 Hours)		*Provide both of the following Certifications:* • NCCER – Construction Technology • NCCER – Core Curriculum	
Cosmetology (1200 Hours)	Cosmetology License from Florida Dept. of Business & Prof. Regulation (DBPR)		
Diesel Technology (Med/Heavy Duty Truck/Bus Technician) (1800 Hours)		*Provide test results for One of the following ASE certifications from the National Institute for Automotive Service Excellence:* T1, T2, T3, T4, T5, T6, T7, T8 *OR the ASE Entry-Level Certification*	
Digital Photography Technology (1050 Hours)		*One of the following Certifications:* • Adobe Certified Associate (Photoshop) • Adobe Certified Associate (Premiere Pro)	
Electricity (1200 Hours)			Skills Inventory
Facials Specialty (220 Hours) and Advanced Esthetics (600 Hours)	Registration as a Facial Specialist from Florida Dept. of Business & Prof. Regulation (DBPR), Cosmetology		
Heating, Ventilation, AC/Refrigeration 1&2 (750/600 Hours- 1350 total)		Two of the following certifications from HVAC Excellence: • Air Conditioning • Light commercial AC • Light Commercial Refrigeration • Electrical • Heat Pump	
Plumbing (1080 Hours)		*Provide both of the following Certifications:* • NCCER – Core Curriculum • NCCER – Plumbing Level I	

Orange Technical College Program	Licensure Required	Certification Required	Other
Machining Technologies (1500 Hours)		Certified Solidworks Associate (CSWA)	
Major Appliance & Refrigeration Technician (1200 Hours)		*Both* of the following Certifications: • OSHA 10 • EPA 508 **OR** *One* of the following Certifications: • Graduate Certified Appliance Tech Technician (G-CAP) • Professional Servicer Assoc. (PSA)	
Massage Therapy (750 Hours)	Massage License from Florida Dept. of Health		
Pharmacy Technician (1050 Hours)		*One* of the following Certifications: • Certified Pharmacy Technician (CPhT) • Registered Pharmacy Technician (RPT)	
Welding (Applied Welding Technologies) (1050 hours)		*One* of the following Welding Certifications: • Certified Welder, from the American Welding Society • FCAW (Flux-Cored Arc Welding) • GMAW-3G (Gas Shield Flux Core) - MIG • GTAW (Gas Tungsten Arc Welding) - TIG • SMAW-3G (Shielded Metal Arc Welding)	

Apprenticeships	OCPS Campus	Association	Required Documentation
AC, Refrigeration & Heating Technology – ACCA (3 years – 6,000 Hours)	Westside Campus	Air Conditioning Contractor's Association of Central Florida (ACCA)	Certificate & School Record/Transcripts
AC, Refrigeration & Heating Technology – OPP JATC (5 years – 10,000 Hours)	Mid Florida Campus	Orlando Plumbers and Pipefitters, (OPP JATC)	Certificate & School Record/Transcripts
Brick and Block Masonry – MAF (3 years – 6,000 Hours)	Mid Florida Campus	Masonry Association of Florida, Inc. (MAF)	Certificate & School Record/Transcripts
Electrical – FEAT (4 years – 8,000 Hours)	Mid Florida, Westside Winter Park	Florida Electrical Apprenticeship and Training, Inc. (FEAT)	Certificate & School Record/Transcripts
Electrical – CFE JATC (4 years – 8,000 Hours)	Mid Florida Campus	Central Florida Electrical, Joint Apprentice & Training Committee	Certificate & School Record/Transcripts
Fire Sprinkler Systems Technology – FSF JATC (5 years – 10,000 Hours)	Mid Florida Campus	Fire Sprinkler Fitters Joint Apprenticeship Training – FSF JATC	Certificate & School Record/Transcripts
Industrial Pipefitter - OPP JATC (5 years – 10,000 Hours)	Mid Florida Campus	Orlando Plumbers and Pipefitters, (OPP JATC)	Certificate & School Record/Transcripts
Mechanical – CFM JATC (4 years – 8,000 Hours)	Mid Florida Campus	Central Florida Mechanical (CFM JATC)	Certificate & School Record/Transcripts
Plumbing Technology – OPP JATC (5 Years – 10,000 Hours)	Mid Florida Campus	Orlando Plumbers and Pipefitters, (OPP JATC)	Certificate & School Record/Transcripts
Plumbing Technology - PIPE (4 years – 8,000 Hours)	Westside Campus	Plumbing Industry Professional Education (PIPE)	Certificate & School Record/Transcripts
Structural Steel Work Worker – MFI JATC (4 years – 8,000 Hours)	Mid Florida Campus	Mid Florida Ironworkers, (MFI JATC)	Certificate & School Record/Transcripts
Welding 3 years (6,000 Hours)	Westside Campus		Certificate & School Record/Transcripts

Skills Inventory Assessment for
Electricity and Supervision & Management A.S. Degree

COMPETENCIES	COMPETENCY MET
Explain the importance of health, safety, environmental stewardship and related regulatory compliance.	
Identify, use and maintain the tools and accessories used in the electrical industry.	
Demonstrate an understanding of basic Direct-Current (DC) electrical-circuit skills.	
Describe various ways that electricity is produced.	
Explain the principles of electromagnetism.	
Explain the magnetic properties of circuits and devices.	
Read and interpret basic electric codes.	
Demonstrate knowledge of arithmetic operations.	
Analyze and apply data and measurements to solve problems and interpret documents.	
Construct charts/tables/graphs using functions and data.	
Demonstrate and solve basic algebraic formulas related to electricity.	
Solve basic trigonometric functions related to electrical theory.	
Explain basic AC theory and solve related mathematical problems using appropriate test equipment.	
Solve math-related problems from measurements on training aids. (Optional)	
Explain molecular action as a result of temperature extremes, chemical reaction and moisture content.	
Explain how voltage is produced by chemical, mechanical, thermal, photoelectric and piezo electric means.	
Identify electrical symbols in construction documents.	
Demonstrate science knowledge and skills related to electrical principles.	
Demonstrate proficiency in electrical math problems and skills.	
Demonstrate Alternating-Current (AC) circuit skills.	
Explain the importance of employability and entrepreneurship skills.	
Install residential wiring.	
Install residential wiring systems.	
Explain solid-state control devices.	
Explain data cable installation according to the plan and specifications.	

The above competencies have been validated by both organizations.

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Technical College Instructor Signature   Date

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Valencia College Program Chair Signature   Date