ARTICULATION AGREEMENT
Between
VALENCIA COLLEGE

Associate in Science (A.S.) Degree Programs
and

Accelerated Skills Training (A.S.T.) 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 (other than the application for admission fee) to eligible students who have completed one of the approved Accelerated Skills Training programs at Valencia College, and met all of the requirements to receive the college credit which are included in the Appendix section of this agreement.

AWARD OF CREDIT

This agreement makes it possible for a student to receive college credit towards the aligned and articulated A.S. degree program at Valencia College, which is in accordance with commonly accepted good practice in higher education. (See Appendix A for the approved courses and potential college credits the student can receive).

ASSESSMENT AND COURSE EQUIVALENCY

Valencia's faculty, instructors 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 criteria 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: *(program curriculum, samples of instructional materials, syllabi/course outlines with learning outcomes, and samples of various assignments, projects and assessments).*

VALIDATION MECHANISM

The validation mechanism for awarding college credit is based on industry certifications.

TRANSFERRING PROCESS

To receive college credit for the approved A.S.T. programs, transferring students must do the following:

1. Submit a Valencia Application for Admission to the College, and declare a major in the articulated A.S. degree program. (The student must be accepted into Valencia within three years of completing the articulated program).

2. Meet college entrance requirements and satisfy the requirements for Degree-Seeking Status, including submission of all official transcripts (G.E.D. or High School Diploma is required).

3. Comply with the requirements of the College, complete orientation and register for any required prep courses or course prerequisites needed.

4. After completing the admission process to the College, students must meet with the Career Program Advisor to declare their intent for receiving the articulated credit. The Career Program Advisor will go over the enrollment process and requirements for receiving the college credit and verify the following requirements have been met to have the credit awarded:

    Requirements for receiving the college credit:

    - Student must be a declared major in the articulated A.S. degree program.
    - Student must provide a certificate of completion for the Valencia Accelerated Skills (AST) Training program.
    - Student must provide a *current* and *valid* copy of the required industry certification(s) listed in this agreement to receive the college credit.

5. Once eligibility has been determined, the Career Program Advisor will initiate the award of credit process, and submit the required documentation to the Registrar's Office to have the credit awarded on the student's record. **Note**: Credit will be awarded after the drop/add date, and the evaluation process has been completed.

TERMS OF AGREEMENT

The articulation agreements will be reviewed on an ongoing basis to ensure they remain current and up-to-date. The AST instructors and staff will work collaboratively with the Valencia College faculty and staff to stay informed of any curriculum/program changes that may impact the agreements. If it is determined that an agreement needs to be modified due to program curricular changes, staff of both programs will be notified accordingly. **Note:** The award of credit for the courses identified in the articulation agreements is valid based on the current Catalog year, and may change due to program curricular changes.

AST Program	AST Program Hours	Aligned A.S. Degree Program is Articulated to	College Credit Courses Students Can Receive Credit For	Possible Credits	Industry Certifications Required *(ALL Articulations require AST Program Completion Certificate and Proof of Required Industry Certifications)*
Automated Production Specialist (CNC) (formerly CNC Production Specialist)	500	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (9)	12	•Planning, Benchwork/Layout (NMMI) •Measurement/Materials/Safety (NMMI) •CNC Milling (NMMI) •CNC Turning (NMMI)
Cabinet Making & Finishing	392	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER) •NCCER Cabinetmaking
Cabinet Making & Finishing	392	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•Core Construction (NCCER) •NCCER Cabinetmaking
Carpentry	392	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•Core Construction (NCCER) •Carpentry Level 1 (NCCER)
Carpentry	392	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER) •Carpentry Level 1 (NCCER)
Certified Forklift Technician	360	Supervision and Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•MSSC Certified Forklift Technician
Clinical Medical Assistant (Note: *Based on Statewide Industry Certification Agreement* - CMAA Cert.)	180	Medical Administration	•OST 1257 Medical Terminology/Office (3) •OST 2854 Microsoft Office (3) •OST 1355 Records Management (3)	9	•Certified Medical Administrative Assistant (CMAA) – *Based on Statewide Industry Certification Agreement*
CORE Construction	200	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER)

AST Program	AST Program Hours	Aligned A.S. Degree Program is Articulated to	College Credit Courses Students Can Receive Credit For	Possible Credits	Industry Certifications Required *(ALL Articulations require AST Program Completion Certificate and Proof of Required Industry Certifications)*
Electrical Powerline Technician	720	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (15)	18	•Core Construction (NCCER) •Power Line Worker Level 1 (NCCER)
Electrical Powerline Technician	720	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER) •Power Line Worker Level 1 (NCCER)
Electrical Powerline Technician	720	Energy Management and Controls Technology	•ETM 2943 Energy Management and Controls Technical Practicum (12)	12	•Intro to the Power Industry (NCCER) •Core Construction (NCCER) •Power Line Worker Level 1 (NCCER) •OSHA-10
Electronic Board Assembly Operator - EBA (CMT1001)	253	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (3)	6	•Solder (J-STD-001G) (IPC) •Space Addendum (J-STD001GS) (IPC) •Acceptability (IPC-A-610) OR •Wire Harness (WHMA-A-620C) (IPC) •Acceptability (IPC-A-610)
Heavy Equipment Operator	392	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER) •Equipment Operator Level 1 (NCCER)
Heavy Equipment Operator	392	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•Core Construction (NCCER) •Equipment Operator Level 1 (NCCER)
Industrial Automation Technician (Mechatronics)	616	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (12)	15	•Industrial Electricity I (PMMI) •Fluid Power I (PMMI) •Mechanical Components I (PMMI)
Industrial Automation Technician (Mechatronics)	616	Energy Management and Controls Technology	•ETM 2943 Energy Management and Controls Technical Practicum (12)	12	•Industrial Electricity I (PMMI) •Fluid Power I (PMMI) •Mechanical Components I (PMMI)

AST Program	AST Program Hours	Aligned A.S. Degree Program is Articulated to	College Credit Courses Students Can Receive Credit For	Possible Credits	Industry Certifications Required (ALL Articulations require AST Program Completion Certificate and Proof of Required Industry Certifications)
Industrial Automation Technician (Mechatronics)	616	Advanced Manufacturing and Automation Technology	•ETI 1701 Industrial Safety (3) •EET 1084C Fundamentals of Electronics (3) •ETM 2010C Mechanical Measurement and Instrumentation (3) •ETM 2315C Hydraulics and Pneumatics (3) •ETI 2501C Mechanics/Mechanical Systems (3)	15	•Mechanical Components 1 (PMMI) (articulates to both ETM 2010C and ETI 2501C) •Industrial Electricity I (PMMI) •Fluid Power I (PMMI)
IT Support Specialist (Note: *Based on Statewide Industry Certification Agreement* – COMPTIA A+)	218	Computer Information Technology	CTS 1131C Computer Maintenance Essentials	3	COMPTIA A+ – *based on Statewide Industry Certification Agreement*
IT Support Specialist (Note: *Based on Local Industry Certification Agreement* – COMPTIA A+)	218	Computer Programming &	CTS 1131C Computer Maintenance Essentials	3	COMPTIA A+ – *based on Local Industry Certification Agreement*
IT Support Specialist (Note: *Based on Local Industry Certification Agreement* – COMPTIA A+)	218	Cybersecurity & Network Engineering	CET 2178C Computer Hardware	3	COMPTIA A+ – *based on Local Industry Certification Agreement*
Medical Office Specialist (Note: *Based on Statewide Industry Certification Agreement* - CMAA Cert.)	128	Medical Administration	•OST 1257 Medical Terminology/Office (3) •OST 2854 Microsoft Office (3) •OST 1355 Records Management (3)	9	•Certified Medical Administrative Assistant (CMAA) – *Based on Statewide Industry Certification Agreement*
Precision Optics, Photonics & Fiber Optics Technician	300	Electrical and Computer Engineering Technology	•ETI 1701 Industrial Safety-elective (3) •ETS 2220C Principles of Fiber Optics Communication (3)	6	•Occupational Safety Health Association (OSHA) •Technician in Precision Optics (TPO) ETA International
Residential/Commercial - Electrician Technician (VCC & Mechanical One)	392	Energy Management and Controls Technology	•ETM 2943 Energy Management and Controls Technical Practicum (9)	9	•Core Construction (NCCER) •Electrical Level 1 (NCCER)
Residential/Commercial - Electrician Technician (VCC & Mechanical One)	392	Construction and Civil Engineering Technology	•BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	6	•Core Construction (NCCER) •Electrical Level 1 (NCCER)
Residential/Commercial - Electrician Technician (VCC & Mechanical One)	392	Supervision and Management for Industry	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•Core Construction (NCCER) •Electrical Level 1 (NCCER)

AST Program	AST Program Hours	Aligned A.S. Degree Program is Articulated to	College Credit Courses Students Can Receive Credit For	Possible Credits	Industry Certifications Required *(ALL Articulations require AST Program Completion Certificate and Proof of Required Industry Certifications)*
Residential/Commercial - HVAC Technician (VCC & Mechanical One)	480	Energy Management and Controls Technology	•ETM 2943 Energy Management and Controls Technical Practicum (9)	9	•EPA 608 Technician (Universal) Cert. •OSHA Certification
Facilities Maintenance Technician	392	Supervision & Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (6)	9	•Site Safety (NCCER) •Core Construction (NCCER)
Facilities Maintenance Technician	392	Construction and Civil Engineering Technology	•ETD 1031C Introduction to Construction (3) •BCN 1272 Construction Blueprint Reading (3) •ETC 1251C Engineering Materials/Processes (3)	9	•Core Construction (NCCER)
Robotics and Semiconductor Technician	616	Advanced Manufacturing and Automation Technology	•ETI 1701 Industrial Safety (3) •ETM 2010C Mechanical Measurement and Instrumentation (3) •ETM 2315C Hydraulics and Pneumatics (3) •ETI 2542C Industry 4.0 Automation w PLC's (3) •ETS 1603C Fundamentals of Robotics and Simulation **(elective- 3 credit)**	15	•Certified Industry 4.0 - Basic Operations Associate (SACA) •Certified Industry 4.0 - Advanced Operations Associate (SACA)
Robotics Technician	450	Advanced Manufacturing and Automation Technology	•ETM 2010C Mechanical Measurement and Instrumentation (3) •ETM 2315C Hydraulics and Pneumatics (3) •ETI 2542C Industry 4.0 Automation w PLC's (3) •ETS 1603C Fundamentals of Robotics and Simulation **(elective- 3 credit)**	12	•Certified Industry 4.0 - Basic Operations Associate (SACA) •Certified Industry 4.0 - Advanced Operations Associate (SACA)
Welding Technology	780	Supervision and Management	•SLS 1301 Career Development (3) •ETI 2943 Practicum in Tech Industry (17)	20	*One of the following AWS Certified Wielder Certifications:* •Shielded Metal Arch Welding (SMAW) •Gas Metal Arch Welding (GMAW) •Gas Metal Arc Welding-Aluminum (GMAW-A) •Flux-Cored Arc Welding-Self Shielded (FCAW-S) •Flux Cored Arc Welding-Gas Shielded (FCAW-G) •Gas Tungsten Arc Welding (GTAW)

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