

**ARTICULATION AGREEMENT**

**TENNESSEE COLLEGE OF APPLIED TECHNOLOGY - LIVINGSTON**

**AND**

**MOTLOW STATE COMMUNITY COLLEGE**

**Articulation Agreement**  
**Tennessee College of Applied Technology - Livingston**  
**and**  
**Motlow State Community College**

This articulation agreement outlines the bridge program between the Tennessee College of Applied Technology (TCAT) Livingston and Motlow State Community College (MSCC). The agreement specifies which courses may be transferred into the Mechatronics program.

TCAT Livingston students who follow the courses outlined in this articulation agreement are given academic credit for courses as described below. In the event of program revisions at TCAT Livingston or MSCC, this agreement is subject to revision. This agreement is in accordance with guidelines established by the Tennessee Board of Regents (TBR) for articulation agreements between community colleges and colleges of applied technology.

MSCC offers a MECH 1490 Mechatronics Systems Applications class that is designed as a bridge course for Tennessee College of Applied Technology students who have successfully completed the Industrial Maintenance Technician diploma.

In order to be eligible for this course, the student must have an

- Industrial Maintenance Technical diploma from the Tennessee College of Applied Technology in Livingston
- A completed application and admission acceptance letter to Motlow State Community College

Upon successful completion of the MECH 1490 Mechatronics Systems Applications course, the student will be granted credit for the courses listed below.

MECH 1310 Electrical Components	3 credit hours
MECH 1320 Mechanical components and electrical drives	3 credit hours
MECH 1330 Electro pneumatic and hydraulic control circuits	3 credit hours
MECH 1340 Digital fundamentals and PLC	3 credit hours

This articulation agreement recognizes the following course work is needed to complete the certificate and AAS degree in Mechatronics at MSCC.

<b>Course Titles</b>	<b>Mechatronics Certificate</b>
*MECH 2320	Motor Control 3 credit hours
*MECH 1350	Industrial Robotics 3 credit hours
	*These 2 courses will allow the student to receive the Mechatronics certificate

<b>Course Titles</b>	<b>Remaining Mechatronics AAS degree requirements</b>
ENGL 1010	English Composition I
MATH 1710 OR MATH 1720 OR MATH 1910	College Algebra/Pre-Calculus I Precalculus Algebra  Trigonometry/Pre-Calculus II Precalculus Trigonometry  Calculus I **
COMM 2025	Fundamentals of Speech
ONE OF THE FOLLOWING: ARTA 1030 MUSA 1030 THEA 1030	Art Appreciation Introduction to Art Music Appreciation Introduction to Music Introduction to Theatre
ONE OF THE FOLLOWING: ANTH 1100 COMM 1010 ECON 2100 ECON 2200 GEOG 1012 GEOG 2010 HPE 2340 POLS 1030 POLS 2025 PSYC 1030 SOC 1010 SOC 1020 SOC 2010	Introduction to Anthropology Introduction to Mass Communications Principles of Macroeconomics Principles of Microeconomics Cultural Geography World Regional Geography Wellness Perspectives and Lifestyles American Government State and Local Government General Introduction to Psychology Introduction to Sociology Social Problems Marriage and Family
CISP 1010	Computer Science I
PHYS 2010 OR PHYS 2110	Non-Calculus Based Physics I  Calculus Based Physics I **
MECH 1350	Industrial Robots
MECH 2440	Process Control Technologies
MECH 2441	Introduction to Totally Integrated Automation
MECH 2480	Automation Systems
MECH 2320	Motor Control
MECH 2425	Mechanics and Machine Elements
MECH 2490	Manufacturing Applications

**Total 61 hours**

**MECH 2480, MECH 2425, AND MECH 2490 must be taken at Motlow State Community College**

**\*\*Students planning to articulate to Middle Tennessee State University for the Mechatronics Engineering Program must take MATH 1910 and PHYS 2110.**

Term – This Agreement will be effective from the date of final signature below, the Effective Date, until terminated in writing by either party. It is agreed that if terminated, both institutions will honor the terms of the Agreement until the end of the next admissions applications and review period of MSCC.

Post-Termination- Upon expiration or termination of this Agreement for any reason, TCAT Livingston students previously accepted by or admitted to MSCC shall continue to receive the benefits contemplated by this Agreement.

Non-discrimination

The parties agree to comply with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, Executive Order 11,246, the Americans with Disabilities Act of 1990 and the related regulations to each. Each party assures that it will not discriminate against any individual including, but not limited to, employees or applicants for employment and/or students because of race, religion, creed, color, sex, sexual orientation, gender identity/expression, age, disability, veteran status, genetic information, national origin, or any other legally protected class with respect to all employment, programs and activities.

The parties also agree to take affirmative action to ensure that applicants are employed and that employees are treated during their employment without regard to their race, religion, creed, color, sex, sexual orientation, gender identity/ expression, age, disability, veteran status, genetic information, national origin, or any other legally protected class. . Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection available to employees and applicants for employment to the extent that such laws are applicable to each party individually.

Binding agreement. This Agreement shall not be binding upon the parties until it is approved by the president or designee and the Tennessee Board of Regents.

Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Tennessee without regard to its conflict of law provisions.

Confidentiality of Records. All educational records created, disclosed, or maintained pursuant to the terms of this Agreement are confidential and shall be created, disclosed, and maintained pursuant to the provisions of Family Educational Right to Privacy Act, also known as FERPA (20 U.S.C.A. s1232g) and its regulations.

Notices. All notices or other written communications relating to termination, expiration, or any other legal matter relating to this Agreement will be effective when received and must be given in writing by courier or reputable overnight delivery service, or by certified mail, return receipt requested, to either party at the following address (or to such other address as such party may substitute, by providing a written notice.)

In witness whereof, the parties have by their duly authorized representatives set their signatures

**Motlow State Community College**

By: \_\_\_\_\_  
Fred Rascoe

Dean of Career & Technical Prog \_\_\_\_\_  
Title Date

By: <sup>DocuSigned by:</sup> Melody Edmonds \_\_\_\_\_  
Melody Edmonds

Interim VP, Academic Affairs \_\_\_\_\_  
Title Date

2019-04-12 | 12:45 PM CDT

By: \_\_\_\_\_  
Hilda Tunstill

Interim President \_\_\_\_\_  
Title Date

**Tennessee College of Applied Technology – Livingston**

By: <sup>DocuSigned by:</sup> Myra West \_\_\_\_\_  
Dr. Myra West

President \_\_\_\_\_  
TCAT Livingston

2019-04-12 | 11:02 AM CDT

Date

**Approved: Tennessee Board of Regents**

By: <sup>DocuSigned by:</sup> Flora W. Tydings \_\_\_\_\_ <sup>DS</sup> RS  
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Chancellor \_\_\_\_\_  
Title

2019-04-15 | 4:55 PM CDT

Date