

**Systemwide Articulation Agreement Between
Colleges in The College System of Tennessee
For the Period of Summer 2022 through Summer 2025**

**Articulation of INDUSTRIAL MAINTENANCE INTEGRATED AUTOMATION Delivered at
the
Tennessee Colleges of Applied Technology to be Applied Toward
The A.A.S. in MECHATRONICS TECHNOLOGY Delivered at Specified
Community Colleges in Tennessee**

The Tennessee community colleges hereinafter referred to as the "CC(s)" and the Tennessee colleges of applied technology hereinafter referred to as the "TCAT(s)" have entered into a statewide partnership which promotes student transfer and program articulation. The partnership is for the purpose of providing eligible TCAT students the opportunity to receive college credit upon successful completion of a qualified program at a TCAT and/or by earning recognized industry certification(s) as identified in "APPENDIX A."

OVERVIEW

In accordance with the guidelines set forth by the Tennessee Board of Regents (TBR), the Tennessee Higher Education Commission (THEC), and the procedures established by the individual CCs, we hereby enter into this Agreement to provide the eligible TCAT students the opportunity to receive college credit upon successful completion of a qualified program at a TCAT and by earning recognized industry certification(s) or meeting other criteria as identified in "APPENDIX A."

The CCs determine awarded credits based upon the course completion(s), certification(s) earned, or other specified requirements.

1. TCATs will indicate on student transcripts the specific coursework completed and certifications taken and passed (if known).
2. When evaluating student transcripts, the CC will award credit based on criteria identified in "APPENDIX A."
3. In addition, CCs may award credit based upon evaluation of transcripts on a course-by-course basis.
4. Pre-requisite courses must be considered prior to accepting credit via this agreement.
5. Students must meet the standards and follow the procedures of the individual CC catalog for the year they enrolled in the articulated course/program or follow the current year CC catalog.
6. The awarding of any nontraditional credit (e.g. CLEP, AP credit-by-exam, military services, etc.) may be granted for coursework not identified in "APPENDIX A."
7. Upon an institution's request this agreement will be reviewed.
8. This agreement will remain in effect until modified or rescinded by the duly authorized signatories, or until the term of the agreement has expired.
9. The CCs and the TCATs shall:
 - a. Designate a responsible party to provide oversight of details and disseminate general program information to students.

- b. Determine course(s) to award credit based upon recommendation of content
 - c. Agree to review every three years the certifications/courses and/or Student Learning Outcomes for which college credit will be awarded.
 - d. Establish a process to ensure effective coordination between the individual CC(s) and TCAT(s). The Statewide Articulation Committee shall serve as a resource for questions or concerns that may arise and will consist of representatives from both the CC(s) and the TCAT(s) that are faculty or curriculum coordinators for the discipline as appointed by the chief academic officer at the CC and the President at the TCAT.
10. The SACSCOC accredited institution agrees to accept specific course work from a non-SACSCOC accredited institution to be applied toward an award from a SACSCOC accredited institution. That course work may not be accepted by other colleges or universities in transfer, even if it appears on a student transcript. *The decision to accept course work in transfer from any institution is made by the receiving institution, and the acceptance of credits or course work is based on the receiving institution's regulations and guidelines.*
11. This agreement will commence the semester following the signing thereof.

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APPENDIX A

Awarding of College Credit to Industrial Maintenance Integrated Automation graduates of
Tennessee Colleges of Technology into the A.A.S. in Mechatronics Technology

Community College Course Title	Credit Hours	TCAT Course Titles
MECH 1310 – Electrical Components	3	IMI 1030- Introduction to Electricity IMI 1040- Ohms Law and The Power Formula IMI 1050- Kirchoffs Laws 1060- Series and Parallel Circuits, and 1070- Three Phase Power Circuits
MECH 1320 – Mechanical Components & Electric Motors	3	IMI 2010- Industrial Control Components IMI 2040- Three Phase Power Control IMI 3010- Industrial Mechanics I, and IMI 3020- Industrial Mechanics II
MECH 1330 – Electro-pneumatic and Hydraulic Control Circuits	3	IMI 2050- Pneumatics and Hydraulics I, and IMI 2060- Pneumatics and Hydraulics II

MECH 1340 – Digital Fundamentals and PLCs	3	IMI 4010- Programmable Logic Control I 4020- Programmable Logic Control II 4030- PLC System Interfacing, and 4040- PLC System Troubleshooting
MECH 1350 – Industrial Robots	3	IMI 4050- Basic Robot Operation IMI 4060- Robot Handling Tool I, and IMI 4070- Robot Handling Tool II
MECH 2320 – Motor Control	3	IMI 2010- Industrial Control Components IMI 2020- Motor Control Methods IMI 2030- Three Phase Power Systems, and IMI 2040- Three Phase Power Control
* MECH 2441 – Intro to Totally Integrated Automation	4	IMI 4010- Programmable Logic Control I IMI 4020- Programmable Logic Control II IMI 4030- PLC System Interfacing, and IMI 4040- PLC System Troubleshooting
*Total credit hours available to earn	22	

* Students seeking credit for MECH 2441 must also pass a challenge exam.

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY JACKSON:

DocuSigned by: Jeff Sisk 2022-08-02 | 2:12 PM CDT
President 21E5F12091F04F4... Date

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY MCKENZIE:

DocuSigned by: Willie Huffman 2022-08-02 | 3:41 PM CDT
President 21E5F12091F0498... Date

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY PARIS:

DocuSigned by: Willie Huffman 2022-08-02 | 3:40 PM CDT
President C5DB4100F0BD437... Date

CHATTANOOGA STATE COMMUNITY COLLEGE:

DocuSigned by: Rebecca Hslford 2022-08-04 | 5:31 AM PDT
President B53F7149A1874E0... Date

CLEVELAND STATE COMMUNITY COLLEGE:

DocuSigned by: [Signature] 2022-08-13 | 8:16 AM EDT
President 4B847F491F31465... Date

MOTLOW STATE COMMUNITY COLLEGE:

DS RL DocuSigned by: Charles Coffey DS CBC 2022-08-03 | 10:46 AM CDT
President 063C87C06EB4C6... Date

ROANE STATE COMMUNITY COLLEGE:

DocuSigned by: Dr. Chris Whaley/MM 2022-08-02 | 12:31 PM PDT
President EFD70B07D8A9441... Date

SOUTHWEST TENNESSEE COMMUNITY COLLEGE:

DocuSigned by: Tracy D. Hall 2022-08-02 | 7:43 PM CDT
President 1E092F045B9F428... Date

VOLUNTEER STATE COMMUNITY COLLEGE:

DocuSigned by:
Orinthia Montague 2022-08-02 | 12:36 PM CDT
President 487E9506E9E9A7... Date

TENNESSEE BOARD OF REGENTS:

DocuSigned by:
Jonathan Blackwood 2022-08-13 | 9:18 AM CDT
Vice Chancellor, Academic Affairs 487E9506E9E9A7... Date

TENNESSEE BOARD OF REGENTS:

DocuSigned by:
Mark W. Tydings ^{DS} *ATJ* 2022-08-13 | 9:20 AM CDT
Chancellor 15B4400EEAC7429... Date