

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

**Articulation of INDUSTRIAL ELECTRICAL MAINTENANCE-MECHATRONICS Delivered
at the
Tennessee Colleges of Applied Technology to be Applied Toward
The A.A.S. in MECHATRONIC 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 This agreement will remain in effect until modified or rescinded by the duly authorized signatories, or until the term of the agreement has expired.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 faculty.
 - 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 Electrical Maintenance-Mechatronics 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	IEM 1090- Intro to Basic Electronics, and IEM 3020- Electrical Wiring Industrial
MECH 1320 – Mechanical Components & Electric Motors	3	IEM 1080- Developing Troubleshoot Skills IEM 2010- Mechanical Maintenance IEM 3030- Electric Transformer & Rotate Machine, and IEM 4020- Electrical Mechanical Maintenance
MECH 1330 – Electro-pneumatic and Hydraulic Control Circuits	3	IEM 2020- Fluid Power

MECH 1340 – Digital Fundamentals and PLCs	3	IEM 2040- Heating and Air Conditioning, and IEM 4010- Motor Circuits
MECH 1350 – Industrial Robots	3	IEM 4040- Robotics
MECH 2320 – Motor Control	3	IEM 3040- Motor Controls IEM 4010- Motor Circuits, and IEM 5050- Advanced Motor Control
* MECH 2441 – Intro to Totally Integrated Automation	4	IEM 5010- RSLogix 5000 (Advanced), and IEM 5020- Human & Machine Interface
*Total credit hours available to earn	22	

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

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY DICKSON:

DocuSigned by:
Aurita Summers 2022-07-27 | 3:09 PM PDT
President EB409A84B6... Date

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY MURFREESBORO:

DocuSigned by:
Carol Puryear 2022-07-29 | 6:40 AM PDT
President 1904512559B147F... Date

CHATTANOOGA STATE COMMUNITY COLLEGE:

DocuSigned by:
Rebecca Ashford 2022-08-04 | 5:32 AM PDT
President B57B7948A9874E0... Date

CLEVELAND STATE COMMUNITY COLLEGE:

DocuSigned by:
[Signature] 2022-08-12 | 9:33 AM EDT
President 4B541644B31465... Date

MOTLOW STATE COMMUNITY COLLEGE:

DS *RL* DocuSigned by: *Charles Coffey* DS *CBC* 2022-08-01 | 11:58 AM CDT
President EB40C6... Date

ROANE STATE COMMUNITY COLLEGE:

DocuSigned by:
Dr. Chris Whaley/MM 2022-08-04 | 11:24 AM PDT
President FFB70107D8A9441... Date

SOUTHWEST TENNESSEE COMMUNITY COLLEGE:

DocuSigned by:
Tracy D. Hall 2022-08-02 | 7:38 PM CDT
President 1E092B04550F428... Date

VOLUNTEER STATE COMMUNITY COLLEGE:

DocuSigned by:
Orinthia Montague 2022-08-01 | 7:48 PM CDT
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President **Date**

TENNESSEE BOARD OF REGENTS:

DocuSigned by:
Jothany Blackwood 2022-08-12 | 9:20 AM CDT
487F6606F6FB4A7
Vice Chancellor, Academic Affairs **Date**

TENNESSEE BOARD OF REGENTS:

DocuSigned by: ^{DS}
Norm W. Tydings *NT* 2022-08-12 | 9:28 AM CDT
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Chancellor **Date**