

**Transfer from TCAT Industrial Electrical Maintenance-Mechatronics  
to the A.A.S. in Mechatronics Technology**

TCAT Program:	Industrial Electrical Maintenance-Mechatronics
Community College Program:	A.A.S in Mechatronics Technology
Program Length:	61 credit hours
Articulation Process:	Community college faculty have assured that academic transfer credit is at the collegiate level and comparable to credit earned in the college's own programs ( <a href="#">TBR policy 2.00.01.06</a> ).
Number of Transfer Credits:	This statewide agreement allows a student the possibility to earn 22 course credits. Please see the below crosswalk/equivalency table.

<b>Community College Course Title</b>	<b>Credit Hours</b>	<b>TCAT Course Title or Certification Exam Title</b>
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.