

MANUFACTURING TECHNOLOGY WORKFORCE PIPELINE

BS Mechatronics Engineering Technology* (120+ credits) – Purdue University → Automation Equipment Designer
or

BS Electromechanical Engineering Technology** (120+ credits) – PSU Berks → Automation Engineering Assistant

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AAS Mechatronics Engineering Technology (75 credits) – RACC STTC → → → Automation Equipment Technician

↑ Computer Integrated Manufacturing
↑ Robotics
↑ Process Controls
↑ Advanced Programmable Logic Controls

AMIST* Level 2** (366 hours training = 12 credits) – RACC STTC → → → Senior Industrial Maintenance Technician

↑ Industrial Mechanics II
↑ Rotating Electrical Machines
↑ Programmable Logic Controls – Level 2

AMIST* Level 1** (342 hours training = 11 credits) – RACC STTC → → → Industrial Maintenance Technician

↑ T Industrial Mechanics I
↑ e Industrial Electrical Systems
↑ c Programmable Logic Controls – Level 1
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↑ P *Math Required - Trigonometry

↑ r **Math Required - Calculus

↑ e ***USDL Skills Certificate - Advanced Manufacturing Integrated Systems Technology

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-----**Manufacturing Technology – Career and Technology Centers** → → → Machine Operator/Maintenance Apprentice
(Students can earn up to 11 credits through Tech Prep Articulation Agreements and 7 credits through Dual Enrollment)