



**Northwood Technical College (Northwood Tech) Automated Packaging Systems Technician /Mechatronics Basics Certification Crosswalk (2023-2024)** Educational and training experiences offered through company training programs or through professional institutions may be reviewed for transfer credit. **Official certificates or original records (as noted below) must be submitted to verify the credential earned.**

The following current industry certification	=	Northwood Tech Automated Packaging Systems Technician and Mechatronics Basics Program Courses
PMMI Mechatronics Certification Test: Industrial Electricity 1 (Level 1) <i>Northwood Tech Staff: (Test Component: IE1)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-414-335 DC Electricity <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i> <b>AND</b> 32-414-336 AC Electricity (prerequisite 32-414-335) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
PMMI Mechatronics Certification Test: Fluid Power 1 (Level 1) <i>Northwood Tech Staff: (Test Component: FP1)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-341 Fluid Power Systems <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
PMMI Mechatronics Certification Test: Programmable Logic Controllers (PLCs) 1 (Level 1) <i>Northwood Tech Staff: (Test Component: PLC1)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-345 Packaging Systems Equipment Control (prerequisite 32-414-335) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
PMMI Mechatronics Certification Test: Mechanical Components 1 (Level 1) <i>Northwood Tech Staff: (Test Component: MC1)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-357 Power Transmission Componentry (corequisite 32-454-345) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
To Verify Validity of the PMMI Certifications, go to <a href="#">The Association for Packaging and Processing Technologies Website</a> **No expiration on the individual Level 1 certifications as of 6/28/2016. However, in the future there may be expirations to the overarching Level 1 Certification – verify with PMMI on any changes.		

The following current industry certification	=	Northwood Tech Automated Packaging Systems Technician and Mechatronics Basics Program Courses
SACA - C201 Electrical Systems 1 and C205 Sensor Logic Systems 1 Gold Certificates <i>Northwood Tech Staff: (Test Component: C205+)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-414-335 DC Electricity <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
SACA - C209 Pneumatic Systems 1, C255 Hydraulics Systems 1, and C256 Hydraulic Maintenance 1 Gold Certificates <i>Northwood Tech Staff: (Test Component: C209+)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-341 Fluid Power Systems <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
SACA - C201 Electrical Systems 1 and C202 Electric Motor Control Systems 1 Gold Certificates <i>Northwood Tech Staff: (Test Component: C202+)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-414-336 AC Electricity (prerequisite 32-414-335) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
SACA - C207 Programmable Controller Systems 1 Gold Certificates <i>Northwood Tech Staff: (Test Component: C207)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-345 Packaging Systems Equipment Control (prerequisite 32-414-335) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
SACA - C210 Mechanical Power Systems 1 Gold Certificates <i>Northwood Tech Staff: (Test Component: C210)</i>	This certification may allow for transfer credit for the following Northwood Tech course	32-454-357 Power Transmission Componentry (corequisite 32-454-345) <i>This course is in the following programs: Automated Packaging Systems Technician and Mechatronics Basics</i>
To Verify Validity of the SACA Certifications, go to <a href="#">Specialist Certifications</a>   <a href="#">Smart Automation Certification Alliance (saca.org)</a>		

NORTHWOOD TECH STAFF ONLY: Updated: 12/4/2017; 2/15/2018; 7/13/2018, 11/30/2018, 6/3/2019, 2/3/2020, 3/25/2021; 7/7/21, 12/9/2021, 2/6/2023, 3/31/2023

Academic Affairs / Industry Credentials and CPL Crosswalks

**Northwood Tech CPL Data Entry Instructions (revised June 2019)**

TESTID (for all): PMMI L1

Test Component (see boxes above for specific test component information)

RCC CODE (for all): 5J (Exam – National Standard)