



32-454-1 AUTOMATED PACKAGING SYSTEMS TECHNICIAN - NEW RICHMOND
2022-23 PROGRAM CURRICULUM CHECKLIST
NORTHWOOD TECHNICAL COLLEGE



Name/ID _____

Date _____

| CATALOG NUMBER | COURSE TITLE | HOURS PER WEEK | CREDITS | MECHATRONICS BASICS TECHNICAL DIPLOMA (30-454-1) | AUTOMATED PACKAGING SYSTEMS TECHNICIAN TECHNICAL DIPLOMA (Financial Aid Eligible) | NOTES | DATE COM- PLETED | TRANSFER OR GRADE |
|----------------|---|-------------------|-----------|--|--|-------|---------------------|----------------------|
| | FIRST TERM (Fall 2022) | | | | | | | |
| 32150302 | Applied IT Basics | 2 hours per week | 1 credits | | Automated Packaging Systems Technician | | | |
| 32414335 | DC Electricity | 6 hours per week | 3 credits | Mechatronics Basics | Automated Packaging Systems Technician | | | |
| 32454340 | Packaging Machine Maintenance | 6 hours per week | 3 credits | | Automated Packaging Systems Technician | | | |
| 32454341 | Fluid Power Systems | 6 hours per week | 3 credits | Mechatronics Basics | Automated Packaging Systems Technician | | | |
| 32454344 | Schematics, Prints, and Layouts Corequisites: 32454340 Packaging Machine Maintenance | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32454362 | Processes of Manufacturing - Packaging | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32804325 | Applied Technical Math 1 | 6 hours per week | 3 credits | | Automated Packaging Systems Technician | | | |
| | FIRST TERM TOTAL | 34 hours per week | | 6 Credits Mechatronics Basics | 17 Credits Automated Packaging Systems Technician | | | |



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| SECOND TERM (Spring 2023) | | | | | | | | |
| 32414336 | AC Electricity Prerequisite: 32414335 DC Electricity | 6 hours per week | 3 credits | Mechatronics Basics | Automated Packaging Systems Technician | | | |
| 32420314 | Basic Machine Shop | 6 hours per week | 3 credits | | Automated Packaging Systems Technician | | | |
| 32454345 | Packaging Systems Equipment Control Prerequisite: 32414335 DC Electricity | 6 hours per week | 3 credits | Mechatronics Basics | Automated Packaging Systems Technician | | | |
| 32454357 | Power Transmission Componentry Corequisite: 32454345 Packaging Systems Equipment and Control | 4 hours per week | 2 credits | Mechatronics Basics | Automated Packaging Systems Technician | | | |
| 32801361 | Applied Communications | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32804334 | Applied Technical Math 2 Prerequisite: 32804325 Applied Technical Math 1 | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| | SECOND TERM TOTAL | 30 hours per week | | 8 Credits Mechatronics Basics | 15 Credits Automated Packaging Systems Technician | | | |



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| | THIRD TERM (Fall 2023) | | | | | | | |
| 32414380 | Basic PLCs Prerequisite: 32454345 Packaging Systems Equipment Control | 6 hours per week | 3 credits | | Automated Packaging Systems Technician | | | |
| 32442307 | Welding for Mechanics | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32454347 | Electromechanical Componentry Prerequisite: 32454345 Packaging Systems Equipment Control | 8 hours per week | 4 credits | | Automated Packaging Systems Technician | | | |
| 32454366 | Introduction to Robotics | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32809380 | Applied Interpersonal Skills | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| | THIRD TERM TOTAL | 26 hours per week | | | 13 Credits Automated Packaging Systems Technician | | | |



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| | FOURTH TERM (Spring 2024) | | | | | | | |
| 32454343 | Packaging Machine Rebuilding Prerequisite: 32454347 Electromechanical Componentry | 10 hours per week | 5 credits | | Automated Packaging Systems Technician | | | |
| 32454348 | Troubleshooting Prerequisite: 32454347 Electromechanical Componentry | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32454349 | Installation of Packaging Machines Prerequisite: 32454347 Electromechanical Componentry | 10 hours per week | 5 credits | | Automated Packaging Systems Technician | | | |
| 32454359 | Packaging Materials/Processes Prerequisite: 32454347 Electromechanical Componentry | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32454364 | Motion Controls Prerequisites: 32454347 Electromechanical Componentry and 32414380 Basic PLCs | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| 32801362 | Advanced Communication Skills Prerequisite: 32801361 Applied Communications | 4 hours per week | 2 credits | | Automated Packaging Systems Technician | | | |
| | FOURTH TERM TOTAL | 36 hours per week | | | 18 Credits Automated Packaging Systems Technician | | | |
| | | | | | | | | |
| | PROGRAM REQUIREMENTS | | | 14 Credits Mechatronics Basics | 63 Credits Automated Packaging Systems Technician | | | |

The Automated Packaging Systems Technician program is funded with \$295,458 in WTCS Grant Funds.

Please be advised that low enrollment class sections may be cancelled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW: Visit <https://www.NorthwoodTech.edu/admissions/preparing-for-college/credit-for-prior-learning> for more information

If you have difficulty accessing this content or notice any accessibility problems, please contact the Northwood Tech Curriculum Office at curriculum.office@NorthwoodTech.edu or 715.234.7082 x5410. You will receive a response within 5 business days.

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 5.10.2022