



Name/ID _____

Date _____

| CATALOG NUMBER | COURSE TITLE | *HOURS PER WEEK | CREDITS | MECHATRONICS BASICS TECHNICAL DIPLOMA (30-454-1) | INDUSTRY 4.0 SMART AUTOMATION TECHNICAL CERTIFICATE (17-454-1) | AUTOMATED PACKAGING SYSTEMS TECHNICIAN TECHNICAL DIPLOMA (Financial Aid Eligible) | NOTES | DATE COMPLETED | TRANSFER OR GRADE |
|-------------------------------|--|--------------------------|-----------|--|--|---|-------|----------------|-------------------|
| FIRST TERM - FALL 2025 | | | | | | | | | |
| 32150302 | Applied IT Basics | 2 hours per week | 1 credit | | | Automated Packaging Systems Technician | | | |
| 32414335 | DC Electricity | 6 hours per week | 3 credits | Mechatronics Basics | Industry 4.0 Smart Automation | Automated Packaging Systems Technician | | | |
| 32454340 | Packaging Machine Maintenance COREQUISITE: 32454344 Schematics, Prints, and Layouts | 6 hours per week | 3 credits | | | Automated Packaging Systems Technician | | | |
| 32454341 | Fluid Power Systems | 6 hours per week | 3 credits | Mechatronics Basics | Industry 4.0 Smart Automation | Automated Packaging Systems Technician | | | |
| 32454344 | Schematics, Prints, and Layouts | 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 | 6 Credits Industry 4.0 Smart Automation | 17 Credits Automated Packaging Systems Technician | | | |



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|----------------------------------|---|-------------------|-----------|--|--|---|-------|----------------|-------------------|
| SECOND TERM - SPRING 2026 | | | | | | | | | |
| 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 | Industry 4.0 Smart Automation | Automated Packaging Systems Technician | | | |
| 32454357 | Power Transmission Componentry Corequisite: 32454345 Packaging Systems Equipment and Control | 4 hours per week | 2 credits | Mechatronics Basics | Industry 4.0 Smart Automation | 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 | 5 Credits Industry 4.0 Smart Automation | 15 Credits Automated Packaging Systems Technician | | | |

32-454-1 AUTOMATED PACKAGING SYSTEMS TECHNICIAN - New Richmond
30-454-1 MECHATRONICS BASICS - New Richmond and Rice Lake
17-454-1 INDUSTRY 4.0 SMART AUTOMATION - Rice Lake
2025-26 REQUIRED COURSES



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| THIRD TERM - FALL 2026 | | | | | | | | | |
| 32414380 | Advanced PLC Prerequisite: 32454345 Packaging Systems Equipment Control | 6 hours per week | 3 credits | | Industry 4.0 Smart Automation | 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 PREREQUISITES: 32414335 DC Electricity and 32414336 AC Electricity | 4 hours per week | 2 credits | | Industry 4.0 Smart Automation | 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 | | | 5 Credits Industry 4.0 Smart Automation | 13 Credits Automated Packaging Systems Technician | | | |

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2025-26 REQUIRED COURSES



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| FOURTH TERM - SPRING 2027 | | | | | | | | | |
| 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 Advanced PLC | 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 | | | |
| | TOTAL CREDITS | | | 14 Credits Mechatronics Basics | 16 Credits Industry 4.0 Smart Automation | 63 Credits Automated Packaging Systems Technician | | | |



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*Hours per week represents periods of instruction and/or work-based learning hours per week (class hours). Additional time may be required outside of class to complete assignments. For more details on what you can expect outside of class, please see the “Expectations Outside of the Classroom” section of the Student Handbook

Please be advised that low-enrollment class sections may be canceled. 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 Credit for Prior Learning for more information](#)

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