

Mechatronics/Industrial Automation Technology

Associate of Applied Science

Total credits: 104.0

■ Major Course ■ General Education Course ■ Elective Course ■ Milestone



Pre-Program Information

0.0 credits

Milestone: Flexible Start

Term 1

Fall

13.0 credits

MT3. 801 — Mechatronics Orientation — 1.0 credits — Major Course

MT3. 803 — Industrial Safety — 2.0 credits — Major Course

MT3. 812 — Mechanical Systems — 4.0 credits — Major Course

MT3. 817 — Drive systems — 2.0 credits — Major Course

MT3. 821 — Electrical Systems and Troubleshooting — 4.0 credits — Major Course

Milestone: Meet with your academic advisor

Term 2

Winter

16.0 credits

MT3. 802 — Service Skills for Technicians — 3.0 credits — Major Course

MT3. 816 — CAD for Factory Automation — 4.0 credits — Major Course

MT3. 819 — Bearings and Lube Systems — 2.0 credits — Major Course

MT3. 822 — Troubleshooting Motors and Controls — 4.0 credits — Major Course

MT3. 830 — Industrial Pneumatics Systems — 3.0 credits — Major Course

Milestone: Meet with your academic advisor

Term 3

Spring

17.0 credits

MT3. 805 — Predictive and Preventive Maintenance — 3.0 credits — Major Course

MT3. 824 — Programmable Logic Controllers — 3.0 credits — Major Course

MT3. 833 — Principles of Technology — 5.0 credits — Major Course

MT3. 836 — Industrial Hydraulics Systems — 3.0 credits — Major Course

IN4. 164 — Technical Writing for CTE — 3.0 credits — General Education Course

Milestone: Meet with your academic advisor

Term 4

Fall

16.0 credits

MT3. 823 — Industrial Sensors and Actuators — 3.0 credits — Major Course

MT3. 826 — Advanced PLC Troubleshooting — 3.0 credits — Major Course

MT3. 834 — Principles of Technology II — 5.0 credits — Major Course

MT3. 897 — Capstone Project I — 3.0 credits — Major Course

MT3. 854 — Refrigeration Servicing — 2.0 credits — Elective Course
or other **Elective** course from the catalog

Milestone: Meet with your academic advisor

Milestone: Apply for graduation

Term 5

Winter

13.0 credits

MT3. 827 — Automated Material Handling — 3.0 credits — Major Course

MT3. 846 — Pumps and Valves — 2.0 credits — Major Course

MT3. 898 — Capstone Project II — 3.0 credits — Major Course

PE 231 — Lifetime Health and Fitness — 3.0 credits — Major Course

MT3. 848 — EPA Technician Certification — 2.0 credits — Elective Course
or other **Elective** course from the catalog

Map continues on the next page →

This program map represents one possible pathway through the program and is for reference only. Make an appointment with the [First Resort](#) (prospective students) or [Advising](#) (current students) to receive personalized guidance.

Mechatronics/Industrial Automation Technology (continued)



Associate of Applied Science

Total credits: 104.0

Major Course General Education Course Elective Course Milestone

Term 6
Spring 11.0 credits

MT3. 825 — Process Control and Instrumentation — 3.0 credits — Major Course
MT3. 832 — Energy and Sustainability — 3.0 credits — Major Course
MT3. 899 — Capstone Project and Assessment — 3.0 credits — Major Course
MT3. 849 — Heating Systems — 2.0 credits — Elective Course or other <i>Elective</i> course from the catalog

Term 7
Summer 18.0 credits

MT3. 805 — Predictive and Preventive Maintenance — 3.0 credits — Major Course
MT3. 816 — CAD for Factory Automation — 4.0 credits — Major Course
MT3. 819 — Bearings and Lube Systems — 2.0 credits — Major Course
MT3. 824 — Programmable Logic Controllers — 3.0 credits — Major Course
MT3. 830 — Industrial Pneumatics Systems — 3.0 credits — Major Course
MT3. 836 — Industrial Hydraulics Systems — 3.0 credits — Major Course

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