

Industrial Machinery Maintenance 1

Industrial machinery mechanics, also called maintenance machinists, perform preventive maintenance and troubleshooting in industrial production and manufacturing systems. They keep machines in working order, run diagnostic tests, install new parts and systems, and help keep manufacturing moving forward.



APPLY NOW

About the Program

This certificate program prepares students for entry into the Industrial Machinery Maintenance and Repair industry.

High School Dual Enrollment Students can enroll part time or full time.



750 Clock Hour Certificate

TERM #1 (Fall or Spring)

- ETI 0301 - Industrial Machinery Maintenance Assistant I (150 Hrs)
- ETI 0302 - Industrial Machinery Maintenance Assistant II (150 Hrs)

TERM #2 (Fall or Spring)

- ETI 0303 - Industrial Machinery Maintenance Assistant III (150 Hrs)
 - Student completes FDOE curriculum frameworks OCP A (ETI 0450) at this point
- ETI 0310 - Machinery Maintenance Mechanic 1 (150 Hours)

TERM #3 (Fall or Spring)

- ETI 0311 - Machinery Maintenance Mechanic II (150 Hrs)
 - Student completes FDOE curriculum frameworks OCP B (ETI 0456) at this point



Program Graduates can continue to the Industrial Machinery Maintenance 2 Certificate (600 Clock Hours)

Industry Certifications

Manufacturing Skill Standards Council (MSSC) assessments/certifications in:

1. Safety
 2. Quality Practices and Measurements
- Occupational Safety and Health Administration (OSHA) Certification

DE Entry Requirements

- High school approval to enroll
- Must be at least 16 years of age
- Minimum 2.0 Unweighted GPA

**A basic skills assessment must be completed within the first six (6) weeks of program admission. Students must meet the basic skills requirement through required scores or an exemption to receive a certificate of completion at the end of the program.*



Estimated Hourly Wages

Florida: \$21.69-\$30.19

16.8% Anticipated Job Growth Rate by 2033

floridajobs.org - 2025-26 Florida Statewide Demand Occupations List; 2025-2033 Occupational Employment Projections

Related Jobs/Careers

Industrial Machinery Mechanics, Machinery Maintenance Workers, Millwrights, Helpers - Installation, Maintenance/Repair Workers, Control and Valve Installers/Repairers, Elevator and Escalator Installers/Repairers, First-Line Supervisors of Mechanics, Installers and Repairers

FDOE Program # J590100 | CIP 47.0303





Dual Enrollment Pathway Planner

Industrial Machinery Maintenance I

Program Type: Career Certificate
Location: NFC Main Campus

Total Hours: 750
Estimated Completion Time: 3 Terms (Part Time - MTWRF)

Part Time Pathway

Term 1: 300 Hours (Fall -or- Spring)

ETI 0301 _____
Record Course Reference Number (CRN) Here

Industrial Machinery Maintenance Assistant I

___ Morning (8:30 am - 11:30 am)

-or-

ETI 0302 _____

Industrial Machinery Maintenance Assistant II

___ Afternoon (12:30 pm - 3:30 pm)

Term 2: 300 Hours (Fall -or- Spring)

ETI 0303 _____

Industrial Machinery Maintenance Assistant III

___ Morning (8:30 am - 11:30 am)

-or-

ETI 0310 _____

Machinery Maintenance Mechanic I

___ Afternoon (12:30 pm - 3:30 pm)

Term 3: 150 -or- 300* Hours (Fall -or- Spring)

ETI 0311 _____

Machinery Maintenance
Mechanic II

___ Morning (8:30 am - 11:30 am)

-or-

*Students planning to continue into the Industrial Machinery Maintenance II Program may, with Special Permission, elect to register for the first course in the sequence, provided they indicate their intent at the start of the term.

___ Afternoon (12:30 pm - 3:30 pm)

ETI 0457 _____

Machinery Maintenance Technician

Full Time Pathway

Term 1: 450 Hours (Fall -or- Spring)

ETI 0304 _____

Industrial Machinery Maintenance Assistant Combined

___ Full Day (8:30 am - 3:30 pm)

Term 2: 300 -or- 450* Hours (Fall -or- Spring)

ETI 0456 _____

Machinery Maintenance Mechanic

___ Full Day (8:30 am - 3:30 pm)

*Students planning to continue into the Industrial Machinery Maintenance II Program may, with Special Permission, elect to register for the first course in the sequence, provided they indicate their intent at the start of the term.

ETI 0457 _____

Machinery Maintenance Technician

Submit Your Registration Requests

Using the Course Reference Numbers (CRNs) you recorded, submit your course requests using the Dual Enrollment Online Registration Request Form. Your requests will be reviewed and approved by your High School Guidance Counselor.



Industrial Machinery Maintenance 2

Industrial machinery mechanics, also called maintenance machinists, perform preventive maintenance and troubleshooting in industrial production and manufacturing systems. They keep machines in working order, run diagnostic tests, install new parts and systems, and help keep manufacturing moving forward.



APPLY NOW

About the Program

Students build on the basics by learning how to plan routine maintenance, fix problems before machines break down, and work with hydraulic and robotic systems. They also gain hands-on experience and develop important job skills needed to be successful in the workplace.

High School Dual Enrollment Students can enroll part time or full time.



600 Clock Hour Certificate

TERM #1 (Fall or Spring)

- **ETI 0457** - Industrial Maintenance Technician (150 Hrs)
 - Student completes FDOE curriculum frameworks OCP A (ETI0457 at this point.
- **ETI 0470** - Industrial Maintenance Specialist I (150 Hours)

TERM #2 (Fall or Spring)

- **ETI 0471** - Industrial Maintenance Specialist II (150 Hours)
- **ETI 0472** - Industrial Maintenance Specialist III (150 Hours)
 - Student completes FDOE curriculum frameworks OCP B (ETI 0458) at this point



Program Graduates can articulate 15 credit hours into an A.S. in Engineering Technology degree at any Florida College System (FCS) institution that offers degree.

Industry Certifications

Manufacturing Skill Standards Council (MSSC) assessments/certifications in:

1. Manufacturing Processes & Production
2. Maintenance Awareness

Occupational Safety and Health Administration (OSHA) Certification

DE Entry Requirements

- Complete Industrial Machinery Maintenance 1 Certificate
- High school approval to enroll
- Must be at least 16 years of age
- Minimum 2.0 Unweighted GPA



Estimated Hourly Wages

Florida: \$21.69-\$30.19

16.8% Anticipated Job Growth Rate by 2033

floridajobs.org - 2025-26 Florida Statewide Demand Occupations List; 2025-2033 Occupational Employment Projections

Related Jobs/Careers

Industrial Machinery Mechanics, Machinery Maintenance Workers, Millwrights, Helpers - Installation, Maintenance/Repair Workers, Control and Valve Installers/Repairers, Elevator and Escalator Installers/Repairers, First-Line Supervisors of Mechanics, Installers and Repairers

FDOE Program # J590200 | CIP 47.0303

Contact Us



dualenrollment@nfc.edu



850.973.1628



Dual Enrollment Pathway Planner

Industrial Machinery Maintenance II

Program Type: Career Certificate
Location: NFC Main Campus

Total Hours: 600
Estimated Completion Time: 2 Terms (Part Time - MTWRF)

Part Time Pathway

Term 1: 300 Hours (Fall -or- Spring)

ETI 0457 _____ Record Course Reference Number (CRN) Here

Machinery Maintenance Technician

___ Morning (8:30 am - 11:30 am)

-or-

ETI 0470 _____

Industrial Maintenance Specialist I

___ Afternoon (12:30 pm - 3:30 pm)

Term 2: 300 Hours (Fall -or- Spring)

ETI 0471 _____

Industrial Maintenance Specialist II

___ Morning (8:30 am - 11:30 am)

-or-

ETI 0472 _____

Industrial Maintenance Specialist III

___ Afternoon (12:30 pm - 3:30 pm)

Full Time Pathway

Term 1: 150 Hours (Fall -or- Spring)

ETI 0457 _____

Machinery Maintenance Technician

___ Morning (8:30 am - 11:30 am)

-or-

___ Afternoon (12:30 pm - 3:30 pm)

Term 2: 450 Hours (Fall -or- Spring)

ETI 0473 _____

Industrial Maintenance Specialist IV

___ Full Day (8:30 am - 3:30 pm)

NOTES:

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