

Logistics

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Energy / Renewable

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Global Logistics & Dispatch Program

- ▶ Hazardous Materials
- ▶ OSHA 10 Hour
- ▶ First Aid/CPR/AED
- ▶ EEO Respect and Anti-Harassment
- ▶ Manufacturing Skill Standards Council (MSSC) Certified Logistics Associate (CLA) and Certified Logistics Technician (CLT) - examinations administered by MSSC
- ▶ Federal Aviation Administration (FAA) Aircraft Dispatcher - examinations administered by FAA (Aircraft Dispatch Program Only)

Curriculum/Skill Areas:

Communications & Customer Service
 Phone Etiquette and Listening Skills
 CSA 2010
 Resource Management
 Risk Management
 Critical Incident Stress Management
 Conflict Resolution
 Situational Awareness
 Problem Solving and Decision Making Skills
 World Geography
 Map Reading & Interpretation Skills
 Route Assessment
 Process/Quality Management
 Radio Communications
 Phonetic Alphabet
 Federal Aviation Administration (FAA) Regulations
 Federal Motor Carrier Safety Administration (FMCSA) Regulations
 Federal Railroad Administration (FRA) Regulations
 Handling & Transporting Hazardous Materials (HAZMAT)
 National Incident Management System (NIMS) and Incident Command System
 Occupational Safety and Health
 Emergency Procedures
 Air Traffic Procedures
 Air Navigation
 Aircraft Systems and Performance
 Meteorology
 Practical Dispatching
 Microsoft® Word and Excel
 Transportation/Logistics Management Software With GPS
 Jeppesen JetPlan.com® and JeppView® flight planning and charting software



FAA Certificated



For information about graduation rates, median debt of students who completed the programs, and other important information visit www.miat.edu/disclosures

MICHIGAN
MIAT College of Technology
 2955 S. Haggerty Rd.
 Canton, MI 48188
800.447.1310

TEXAS
MIAT Institute of Technology
 533 Northpark Central Dr.
 Houston, TX 77073
877.490.3399



Energy & Industrial Technician Program

- ▶ HYTORC® Hydraulic Tightening and Tensioning
- ▶ SLINGMAX® Lifting and Rigging
- ▶ 5 Ton Overhead Crane
- ▶ OSHA 10 Hour
- ▶ First Aid/CPR
- ▶ EEO Respect and Anti-Harassment

Electrical Training:

120 Hours DC/AC
90 Hours Advanced

AAS Degree in Energy Technology

All Energy & Industrial Technician Program Certificates and electrical training, plus:

- ▶ Competent Climber
- Additional training by employer request:
- ▶ Syntech Wind Turbine Tower Climber/Industrial Rescue Competent to use Tractel® Derope Up-A (16 Hours)

Electrical Training:

60 Hours PLC (Programmable Logic Controller) and SCADA (Supervisory Control and Data Acquisition)

Wind Energy Technician Program

- ▶ HYTORC® Hydraulic Tightening and Tensioning
- ▶ SLINGMAX® Lifting and Rigging
- ▶ 5 Ton Overhead Crane
- ▶ Competent Climber
- ▶ First Aid/CPR
- ▶ OSHA 10 Hour
- ▶ EEO Respect and Anti-Harassment



Curriculum/Skill Areas:

Troubleshooting Logic and Principles
 Wind Turbine Operations
 Gear Systems and Operation
 Hydraulic and Pneumatic Power Systems
 Diesel Power Generation Technology
 Composite Structures
 Inspection and Documentation
 Lubrication Systems
 Fluid Line Systems and Maintenance
 OSHA 10 Hour and Emergency Response
 Precision Measuring Devices
 Print Reading and Drafting Fundamentals
 Maintenance Forms and Records
 Interpretation of Maintenance Manuals
 Lifting and Rigging
 Turbine Engines
 Induction and Engine Airflow Systems
 Engine Instrument Systems
 Engine Fire Protection Systems
 Engine Electrical Systems
 Ignition and Starting Systems
 Fuel Control/Injection Systems
 Engine Cooling Systems
 Auxiliary Power Units
 Boiler Operations
 Power Plant Instrumentation
 Water Treatment Fundamentals
 Fire Detection and Protection Systems
 Metal Composition and Alloying Processes
 Metal Corrosion and Prevention
 Diversity Training



Certificates Included

Aviation

OFFERED IN MICHIGAN ONLY

AAS Degree in Aviation Maintenance Technology Program

Airframe & Powerplant Technician Program

- ▶ FlightSafety® International Principles of Troubleshooting
- ▶ Rockwell Collins Maintenance Diagnostic Computer (MDC) Familiarization
- ▶ EEO Respect and Anti-Harassment
- ▶ Federal Aviation Administration (FAA) Airframe and Powerplant (examinations administered by FAA)
- ▶ NCATT Aircraft Electronics Technician (examinations administered on campus by CATS/Comira Testing)



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Curriculum/Skill Areas:

Troubleshooting Logic and Principles
Computerized Maintenance Manuals
Sheet Metal Repair and Fabrication
Landing Gear Systems and Operation
Hydraulic and Pneumatic Power Systems
Composite Structures
Inspection and Documentation
Lubrication Systems
Fluid Line Systems and Maintenance
Electrical Systems Theory
Precision Measuring Devices
Print Reading and Drafting Fundamentals
Maintenance Forms and Records
Interpretation of Maintenance Manuals
Turbine Engines
Induction and Engine Airflow Systems
Engine Instrument Systems
Engine Fire Protection Systems
Engine Electrical Systems
Ignition and Starting Systems
Fuel Control Systems
Fuel Injection Systems
Engine Cooling Systems
Auxiliary Power Units
Fire Detection and Protection Systems
Metal Composition and Alloying Processes
Corrosion and Prevention
Aircraft History and Familiarization
Physics, Weight and Balance
FAR's, Publications and Limitations
Tools and Safety
Ground Operations



Accredited By

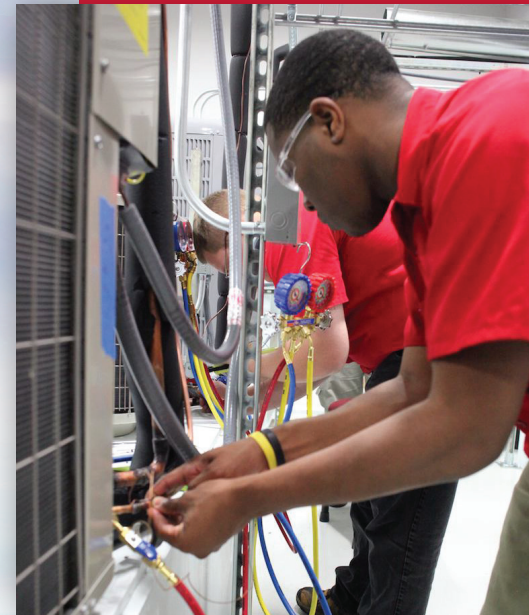


Certificates Included

HVACR

HVACR Technician Program

- ▶ EPA Universal Refrigerant Handling Certification including Core, Type I, Type II, Type III of Federal Clean Air Act Section 608 (EPA examinations administered by ESCO certified proctor on campus)
- ▶ EEO Respect and Anti-Harassment
- ▶ NATE® - North American Technician Excellence Certification Core (examinations administered off-campus)



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Curriculum/Skill Areas:

Customer Relations
OSHA and Basic Safety
Personal Protective Equipment
EPA Refrigerant Handling
Pipefitting Basics
Tool Introduction and Application
Schematics Use and Interpretation
Basic Electricity
Air Conditioning Systems
Heating Fundamentals
Airsides System Components
Vent System Selection and Installation
Airhandling and Hydronic Systems
Cooling System Maintenance
Inspection and Documentation
Troubleshooting Logic and Principles
Mechanical Troubleshooting
Electronic Controls Troubleshooting
Power Distribution
AC and DC Circuits and Components
Conventional and Electronic Thermostats
Heat Pumps
Sheet Metal and Fiberglass Ductwork
Refrigeration Components and Systems
Steam Systems and Traps
Air Properties and Gas Laws
Heat Recovery and Reclaim
Start-up and Shut-down Procedures
Load Calculations



Accredited By **ACCSC**
Accrediting Commission of Career Schools and Colleges

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