

Industrial Technology – AAS

This program prepares the individual to obtain marketable technical skills in a variety of areas. Students will be trained in the various technologies employed in a manufacturing plant as well as training the student in a number of different skills that will give students a foundation that can lead to careers in industry or maintenance of commercial and residential complexes. Examples of areas covered are pneumatics, hydraulics, electricity, and mechanical power.

ASSOCIATE OF APPLIED SCIENCE INDUSTRIAL TECHNOLOGY

Total Program = 60 Credit Hours

The fifth digit in the course number indicates the number of credit hours.

UNIVERSITY REQUIREMENT—1 OR 3 HOURS

University—1 HOUR or 3 HOURS

UNIV 10001 Principles of Academic Success I

UNIV 10003 Principles of Academic Success III

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

General Education Core - 15 Hours

General Education Core

ENGL 10103 Freshman English I

ENGL 10203 Freshman English II **or**

ENGL 20203 Technical Writing & Communication

MATH 10103 Technical Math (or higher)

CPSI 10003 Microcomputer Applications

Social Science Elective (PSYC, HIST, or SOCI)

Industrial Technology Core – 35 Hours

Industrial Tech Core

ELTE 13503 AC/DC Circuits

ELTE 12203 Industrial Hydraulics

ELTE 14403 Industrial Mechanics

ELTE 20103 Control Systems

ELTE 21503 Introduction to Programmable Logic Controllers

ELTE 23003 Systems Troubleshooting

HVAC 15043 Electrical Motors and Components

MSTE 12003 Basic Machining

MSTE 20003 Robotics

MSTE 20202 Metrology

MSTE 21103 Industrial Environment

WELD 12173 Gas Metal Arc Welding

Industrial Technology Electives – 10 Hours

Industrial Tech Electives

Choose a minimum of 10 credit hours from the list of courses below

ELTE	13003	Electrical Power systems
ELTE	20203	Boiler Fundamentals
HVAC	11043	Air Distribution I
HVAC	12003	Materials
HVAC	13003	HVAC-R Components
MSTE	10103	CAD/CAM I
MSTE	11003	Prototyping I
MSTE	13003	CNC I
TECH	29083	Internship
WELD	14073	Shielded Metal Arc Welding
WELD	19033	Gas Tungsten Arc Welding
WELD	13003	Metal Fabrication

Industrial Technology—TC

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TECHNICAL CERTIFICATE INDUSTRIAL TECHNOLOGY

Total Program = 33 Credit Hours

The fifth digit in the course number indicates the number of credit hours.

Requirements—33 HOURS

ELTE	13503	AC/DC Circuits
ELTE	12203	Industrial Hydraulics
ELTE	14403	Industrial Mechanics
ELTE	20103	Control Systems
ELTE	23003	Systems Troubleshooting
HVAC	15043	Electrical Motors and Components
MSTE	12003	Basic Machining
MSTE	20003	Robotics
MSTE	21103	Industrial Environment
MATH	10103	Technical Mathematics
COMM	12053	Career Communications or
ENGL	10103	Freshman English I

Industrial Technology—CP

CERTIFICATE OF PROFICIENCY INDUSTRIAL TECHNOLOGY

Total Program = 9 Credit Hours

The fifth digit in the course number indicates the number of credit hours

ELTE	13503	AC/DC Circuits
ELTE	12203	Industrial Hydraulics
ELTE	23003	Systems Troubleshooting