



Corrections

PARAMEDICINE A.A.S

Total Credits: 69.5

Core Requirements (46.5)

EMS272A Advanced Emergency Medical Technology/Paramedic, Module I (13.5)

PARAMEDICINE CERTIFICATE

Total Credits: 46.5

Core Requirements (46.5)

EMS272A Advanced Emergency Medical Technology/Paramedic, Module I (13.5)

ADDITIONS

CNC LATHE MACHINE PROGRAMMING CERTIFICATE

Total Credits: 16

The CNC Lathe Machine Programming Certificate prepares the student to operate CNC systems that produce the machined product on CNC turning centers in an industrial environment. The certificate also prepares the student for the National Institute of Metal Working Skills (NIMS) Level One, Two & Three CNC credentials. A typical graduate seeks employment as: CNC Mill-Turn Programmer, CNC Mill-Turn Operator, and CNC Mill-Turn Processing Technicians for 2 Axis Plus C & Y Axis Turning Centers.

Computer Numerical Control (CNC) Turning Center Programming uses 3D Computer Aided Design software systems (CAD), Computer Aided Manufacturing (CAM) software systems, Tool Path Verification software, and the operation and control of advanced CNC turning equipment to create parts.

Core Requirements (16)

MET102 Machine Processing, Theory and Application (5)
 MET115 Employment Readiness (1)
 MET206 CNC Programming (3)
 MET208 CNC Lathe: Operator Training I (3)
 MET210 CNC Lathe: Operator Training II (3)

Select one:

CBA113A MS Excel - Basic (1)
 CBA113B MS Excel - Intermediate (1)

Other Requirements

Students must earn:

- a grade of C or better in all core courses.
- a cumulative grade point average (CGPA) of at least a 2.0 on a 4.0 scale
- at least one-third of the certificate credits from CAC.

INDUSTRIAL MAINTENANCE CERTIFICATE

Total Credits: 18

The Industrial Maintenance Certificate provides students the opportunity to gain knowledge, skills, and an understanding of the concepts and applications of industrial maintenance. Upon completion of the certificate, students will have the abilities and skills needed to support employment in the manufacturing industry. The certificate was developed in cooperation with automated manufacturing industries.

Recommended Proficiencies

Ability to be a tactile learner and willingness to work in a repetitive environment

Core Requirements (18)

ELC122 Direct Current and Alternating Current Circuit Analysis (3)
 ELC128 Introduction to Programmable Logic Controllers (3)
 ELC220 Active Circuits (3)
 MET132 Fluid Power-Hydraulics/Pneumatics (3)
 MET245 Variable Frequency Drive (3)

Select one:

MET125 Principles of Fabrication (3)
 WLD110 Survey of Welding (3)

Other Requirements

Students must earn:

- a cumulative grade point average (CGPA) of at least a 2.0 on a 4.0 scale
- at least one-third of the Certificate credits from CAC.

CIS232 Advanced Web Development with Game Programming

3 Credits (2 Lectures, 3 Labs)

Opportunity to build on existing knowledge of HTML5 and JavaScript. Techniques used to build mobile games include the use of JQuery, CSS3, SVG, and Canvas. Topics include standard patterns for building games in HTML5, methodology, popular game engines and frameworks, building the Web application, and publishing.



Satisfactory/Unsatisfactory grading option available.
Prerequisites: CIS112, CIS123, CIS170.

HEO118 Forklifts, Rigging and Hoisting Training

2 Credits (1 Lecture, 3 Labs)

Introduction to basic heavy equipment operation knowledge and experience, including working with heavy equipment in a safe and responsible manner, operating various types of forklifts used in the industry, and demonstration of rigging & hoisting safety techniques. Hands-on experiences includes lifting, transporting, and placing various types of loads.