



# ADVANCED MANUFACTURING CAREER PATHWAYS

Makers of Pharmaceuticals – Control Instrumentation – Structural/Architectural Metals – Vehicle Parts – Semiconductor & Electronic Components – Food Products, and more!



STACKABLE SKILLS

## HS DIPLOMA & OJT

## CONTINUING EDUCATION

## ASSOCIATE'S DEGREE

## BACHELOR'S DEGREE

### TRAINING PATHS

### RECOGNIZED CERTIFYING AUTHORITIES

### PROGRAM OPTIONS

### PROGRAM OPTIONS

- Production
- Quality Assurance
- Process Development
- Maintenance, Installation, and Repair

- National Center for Construction Education & Research
  - National Institute for Metalworking Skills
- ### OTHER VALUABLE CERTIFICATIONS
- Biomedical Equipment Technician
  - Commercial Drivers License
  - Certified Welder
  - Certified Biomedical Nephrology Tech.

- Mechatronics
- Industrial Systems
- Electrical Technology
- Welding
- Biological Technician

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- Industrial Systems
- Electrical Technology
- Biological Technician

### JOBS & MEDIAN EARNINGS

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- Assembler - \$12.76
- Testers & Inspectors - \$16.92
- Machine Operators - \$14.81
- Machine Mechanics - \$22.80
- Sales - \$28.07

- Equipment Repairers - \$22.01
- Machinists - \$17.49
- Metal Workers - \$15.42
- Welders - \$17.31
- Instrumentation Techs - \$24.20

- Industrial Eng. Tech - \$22.16
- Mechanical Drafter - \$30.35
- Electrical & Electronic Engineering Techs - \$29.34
- Semiconductor Processors - \$18.75

- Industrial Engineer - \$42.16
- Operations Manager - \$55.57
- Mechanical Engineer - \$40.32
- Production Manager - \$55.10

SKILLS NEEDED: Production & Processing – Operation & Systems Control – Monitoring – Critical Thinking – Problem Solving – Work Ethics



# INFORMATION TECHNOLOGY CAREER PATHWAYS

Who hires IT professionals? Custom Programming Services– Computer Systems Design Services– Software Publishers– Corporate Headquarters– Local and State Government– Colleges and Universities, and more!



STACKABLE SKILLS

## HIGH SCHOOL

## CONTINUING EDUCATION

## ASSOCIATE'S DEGREE

## BACHELOR'S DEGREE

### COURSE OPTIONS

### VALUABLE CERTIFICATIONS

### PROGRAM OPTIONS

### PROGRAM OPTIONS

- Programming and Software Development
- Information Support and Services
- Network Systems

- A+/Network +/Security+
- Certified Information Systems Security Professional
- Cisco Certified Network Associate
- Cisco Certified Network Professional
- Certified Information Security Manager

- Information Technology
- Business Analytics

- Computer Science
- Computer Programming

### WORKBASED LEARNING

### JOBS & MEDIAN EARNINGS

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- US2020 Events
- Internships
- Job Shadowing
- Project Based Learning

- User Support Specialists - \$27.05
- Computer Operator - \$17.94

- Computer Network Support Specialists - \$32.75
- Web Developer- \$32.51

- Software Developer- \$32.51
- Information Security Analysts - \$42.87
- Applications Developer- \$48.18
- Database Administrator- \$41.60
- Computer Programmer- \$39.70
- System Analyst- \$43.30

SKILLS NEEDED: Time Management - Stress Management- Communication Skills- Self Management - Complex Problem Solving



# HEALTHCARE CAREER PATHWAYS

Hospitals– Physician Offices– Department of Corrections– Home Health Services–  
Contract Research Organizations– Assisted Living Facilities, and more!



STACKABLE SKILLS

## HIGH SCHOOL

## CONTINUING EDUCATION

## ASSOCIATE'S DEGREE

## BACHELOR'S DEGREE

### COURSE OPTIONS

- Health Team Relations
- Health Science I & II
- Biomedical Technology
- Nursing Fundamentals
- Gerontology

### PROGRAM OPTIONS

- Nursing Assistant Programs
- EMS
  - Dialysis Technician
  - EKG Technician
  - Health Unit Coordinator

### PROGRAM OPTIONS

- Associate Degree Nursing
- Human Services Technology
- Medical Assisting
- Medical Laboratory Technology
- Magnetic Resonance Imaging

### PROGRAM OPTIONS

- Nursing
- Biological Technician
- Social Work
  - Clinical Laboratory Science
  - Health Services Management

### WORKBASED LEARNING

- HOSA
- Health Clinical Rotations
- Internships
- Field Experiences

### JOBS & MEDIAN EARNINGS

- Phlebotomist - \$15.02
- EMT/Paramedic - \$16.09
- Surgical Technician - \$20.64
- Health Information Tech - \$16.33

### JOBS & MEDIAN EARNINGS

- Lab Technician- \$19.09
- Radiologic Technician- \$27.95
- Diagnostic Sonographer-\$32.02
- Respiratory Therapists- \$26.23

### JOBS & MEDIAN EARNINGS

- Lab Technologist- \$27.25
- Registered Nurse- \$29.35
- Health Services Managers- \$47.58
- Substance Abuse Social Worker- \$21.26

SKILLS NEEDED: Critical Thinking - Active Listening - Speaking- Social Perceptiveness - Complex Problem Solving



# CONSTRUCTION AND SKILLED TRADES CAREER PATHWAYS

General Contractors– Local and State Government– Building Management– Manufacturing– Commercial Construction– Highway Construction– Utility Companies, and more!



STACKABLE SKILLS

## HS DIPLOMA

### COURSE OPTIONS

- Carpentry
- Drafting
- Masonry
- Electrical Trades
- Core and Sustainable Construction

### JOBS & MEDIAN EARNINGS

- Construction Laborers - \$13.85
- Electrician Helpers- \$15.50
- Paving, Surfacing & Equip. Operators - \$19.87
- Mason/Concrete Finishers - \$16.82

## APPRENTICESHIPS & OJT

### RECOGNIZED CERTIFYING AUTHORITIES

- NCCER
- National Institute for Metalworking Skills
- Home Builders Institute- Pre-Apprenticeship Certificate Training

### JOBS & MEDIAN EARNINGS

- Carpenters - \$17.68
- Electricians - \$19.88-Plumbers & Pipefitters- \$21.83
- Welders - \$18.27
- Sheet Metal Workers- \$16.66

## SHORT TERM TRAINING

### PROGRAM OPTIONS

- Construction Management
- Heavy Equipment Operator
- Electrical Technology
- Plumbing and Pipefitting

### JOBS & MEDIAN EARNINGS

- Construction Supervisors- \$30.42
- Plumbers & Pipefitters - \$21.83
- Heavy & Tractor Trailer Truck Drivers - \$20.61
- Heating, Air Conditioning & Refrigeration Mechanic - \$21.84

## BACHELOR'S DEGREE

### PROGRAM OPTIONS

- Construction Management
- Electrical Technology

### JOBS & MEDIAN EARNINGS

- General & Operations Managers - \$56.84
- Construction Managers - \$44.11
- Cost Estimators - \$33.27

SKILLS NEEDED: Problem Solving – Work Ethics – Manual Dexterity – Numeracy – Decision Making – Reading Blueprints – Able to Work Safely