

## Delaware Skilled and Technical Sciences Career Pathways

## Graphic & Printing Equipment Operator Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Graphic Arts Technician, Bindery Worker, Electronic Pre-press, Film Assembler, Folding Machine Operator, Offset Plate Maker, Offset Press Operator, Screen Printing Pre-press, Screen Printing Press Operator
<b>Additional Career Opportunities After Appropriate On-the-job Experience</b>	Print Production Estimator/Planner, Printing Sales Representative
<b>Career Opportunities After Completing a related 2-year or 4-year College Degree</b>	Graphic Designer, Graphics Management

for further information: [www.bls.gov](http://www.bls.gov)

### Graphic & Printing Equipment Operator Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
10.030521	GRAPHIC & PRINTING EQUIPMENT OPERATOR, GEN PRODUCTION I	3
10.030522	GRAPHIC & PRINTING EQUIPMENT OPERATOR, GEN PRODUCTION II	3
10.030523	GRAPHIC & PRINTING EQUIPMENT OPERATOR, GEN PRODUCTION III	3

## Cosmetology Career Pathway

<b>Career Opportunities After Pathway Completion, H.S. Graduation, and Licensing</b>	Hair Stylist, Hair Colorist, Manicurist
<b>Additional Career Opportunities After Appropriate On-the-job Experience</b>	Cosmetology Instructor, Cosmetology Sales Representative, Make-up Artist, Salon Manager, Salon Owner, Skin Care Specialist,
<b>Career Opportunities After Completing a related 2-year or 4-year College Degree</b>	Cosmetic Chemist, Retail Manager

for further information: [www.bls.gov](http://www.bls.gov)

### Cosmetology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
12.040121	COSMETOLOGY/COSMETOLOGIST, GENERAL I	10
12.040122	COSMETOLOGY/COSMETOLOGIST, GENERAL II	10
12.040123	COSMETOLOGY/COSMETOLOGIST, GENERAL III	10

## Cooking and Culinary Arts Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Cook, Baker, Food Preparation Worker, Waitstaff
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Head Chef, Sous Chef, Catering Manager, Food and Beverage Manager, Pastry Chef
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Executive Chef, Dietitian/Nutritionist, Executive Pastry Chef, Restaurant Manager

for further information: [www.bls.gov](http://www.bls.gov)

### Cooking and Culinary Arts Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
12.050021	COOKING AND RELATED CULINARY ARTS, GENERAL I	10
12.050022	COOKING AND RELATED CULINARY ARTS, GENERAL II	10
12.050023	COOKING AND RELATED CULINARY ARTS, GENERAL III	10

## Electronics Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Electronics Technician, Telecommunications Technician, Computer Repair Technician, Consumer Electronics Repairperson, Data Wiring Technician, Industrial Instrumentation & Control Technician, Security Systems Installation & Repair
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Electronics Engineering Technician, Electronics Sales Representative
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Electronics Engineer

for further information: [www.bls.gov](http://www.bls.gov)

### Electronics Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
15.030321	ELECT/ELECTRONIC & COMM ENGINEERING TECHNOLOGY/TECHNICIAN I	14
15.030322	ELECT/ELECTRONIC & COMM ENGINEERING TECHNOLOGY/TECHNICIAN II	14
15.030323	ELECT/ELECTRONIC & COMM ENGINEERING TECHNOLOGY/TECHNICIAN III	14

## Manufacturing Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Assembler, Machine Operator, CNC Machine Programmer, Drafter/Detailing Technician, Machinist Apprentice, Materials Handler, Production Operator, Shipping/Receiving Clerk, Quality Control Technician, 3-D Computer Modeler
<b>Additional Career Opportunities After On-the-job Training and Relevant Work Experience</b>	Customer Service Representative, Inventory Control and Procurement Technician, Line Supervisor, Manufacturing Technician, Plastics Fabricator, Scheduler
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Machine Part Inspector, Manufacturing Technology Associate, Mechanical Engineering Technician, Model Maker, Process Designer, Production Planner, Resource Planner, Tool & Die Maker, Quality Assurance Manager
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Electrical Engineer, Industrial Engineer, Manufacturing Engineer, Mechanical Engineer

for further information: [www.nam.org](http://www.nam.org)

### Manufacturing Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
15.061321	MANUFACTURING TECHNOLOGY/TECHNICIAN I	13
48.050321	MACHINE SHOP TECHNOLOGY/ASSISTANT I	13
15.061322	MANUFACTURING TECHNOLOGY/TECHNICIAN II	13
15.061323	MANUFACTURING TECHNOLOGY/TECHNICIAN III	13

## Drafting and Design Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	CAD Drafting Specialist
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Mechanical or Architectural Engineering Technician, Project Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical or Architectural Engineer, Engineering Manager

for further information: [www.careervoyages.gov/biotechnology-main.cfm](http://www.careervoyages.gov/biotechnology-main.cfm)  
[www.bls.gov](http://www.bls.gov)

### Drafting and Design Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
15.130121	DRAFTING AND DESIGN TECHNOLOGY/TECHNICIAN, GEN I	2
15.130122	DRAFTING AND DESIGN TECHNOLOGY/TECHNICIAN, GEN II	2
15.130123	DRAFTING AND DESIGN TECHNOLOGY/TECHNICIAN, GEN III	2

## Architectural Drafting Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Architectural Draftsperson, Structural Steel Detailer, Structural Steel Estimator, Iron Worker Apprentice
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Architectural Engineering Technician, Construction Management Technician, Project Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Architectural Engineer, Engineering Manager

for further information: [www.aia.org](http://www.aia.org)  
[www.bls.gov](http://www.bls.gov)

### Architectural Drafting Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
15.130321	ARCHITECTURAL DRAFTING AND ARCHITECTURAL CAD/CADD I	2
15.130322	ARCHITECTURAL DRAFTING AND ARCHITECTURAL CAD/CADD II	2
15.130323	ARCHITECTURAL DRAFTING AND ARCHITECTURAL CAD/CADD III	2

## Child Care Provider/Assistant Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Early Childhood Intern, Early Childhood Assistant Teacher (if 18 years old and credit for TECE learned in high school), Early Childhood Teacher (if 18 years old and credit for TECE I & II earned in high school)
<b>Additional Career Opportunities After On-the-job Training, Training Classes/Certifications, and Relevant Work Experience</b>	Day Care Provider, Early Childhood Curriculum Coordinator
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Early Childhood Center Administrator, Teaching Paraprofessional
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Kindergarten Teacher, Elementary School Teacher, Social Worker

for further information: [www.kids.delaware.gov/occl/occl.shtml](http://www.kids.delaware.gov/occl/occl.shtml)

### Child Care Provider/Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
19.070921	CHILD CARE PROVIDER/ASSISTANT I	10
19.070922	CHILD CARE PROVIDER/ASSISTANT II	10
19.070923	CHILD CARE PROVIDER/ASSISTANT III	10

## Legal Administrative Assistant Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Court Clerk, Intake Clerk, Legal Administrative Assistant
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Judicial Case Processor, Judicial Case Manager
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Paralegal, Legal Secretary
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Judicial Case Processing Supervisor, Judicial Case Management Supervisor, Judicial Operations Manager

for further information: [www.bls.gov](http://www.bls.gov)

### Legal Administrative Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
22.030121	LEGAL ADMINISTRATIVE ASSISTANT/SECRETARY I	12
22.030122	LEGAL ADMINISTRATIVE ASSISTANT/SECRETARY II	12
22.030123	LEGAL ADMINISTRATIVE ASSISTANT/SECRETARY III	12

## Masonry Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Masonry Apprentice, Bricklayer
<b>Additional Career Opportunities After Completing Apprenticeship or Appropriate On-the-job Training and Experience</b>	Mason, Firebrick and Refractory Installer, Marble and Tile Setter, Stone Mason, Concrete Mason
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Construction Manager
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Architectural Engineer, Civil Engineer, Historic Preservationist

for further information: [www.bls.gov](http://www.bls.gov)  
[www.abc.com](http://www.abc.com)  
[www.e-dca.org](http://www.e-dca.org)

### Masonry Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
46.010121	MASON/MASONRY I	2
46.010122	MASON/MASONRY II	2
46.010123	MASON/MASONRY III	2

## Carpentry Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Carpenter Apprentice, Cabinetmaker, Cabinet Installation, Carpentry/Lumber Counter or Retail Sales, Drywall Applicator, Roofer, Furniture Manufacturing Technician
<b>Additional Career Opportunities After Completing Apprenticeship or Appropriate On-the-job Training and Experience</b>	Carpenter Journeyperson, Carpentry Estimator, Construction or Building Maintenance Supervision, Building Contractor
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Construction Manager
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Architect, Architectural Engineer

for further information: [www.bls.gov](http://www.bls.gov)  
[www.abc.com](http://www.abc.com)  
[www.carpenters.org](http://www.carpenters.org)  
[www.e-dca.org](http://www.e-dca.org)

### Carpentry Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
46.020121	CARPENTRY/CARPENTER I	2
46.020122	CARPENTRY/CARPENTER II	2
46.020123	CARPENTRY/CARPENTER III	2

## Electrician Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Electrician Apprentice, Electrical Counter Sales, Electrical Retail Sales
<b>Career Opportunities After Completing Apprenticeship</b>	Electrician, Electrical Estimator, Construction Electrician, Maintenance Electrician, Electrical Sales
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Electrical Engineering Technician, Construction Management, Project Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Electrical Engineer, Engineering Manager

for further information: [www.bls.gov](http://www.bls.gov)  
[www.abc.com](http://www.abc.com)  
[www.ibew.org](http://www.ibew.org)  
[www.e-dca.org](http://www.e-dca.org)

### Electrician Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
46.030221	ELECTRICIAN I	2
46.030222	ELECTRICIAN II	2
46.030223	ELECTRICIAN III	2

## Plumbing Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Pipefitting Apprentice, Plumbing Apprentice, Plumbing Counter Sales, Plumbing Retail Sales, Sprinkler Fitter Apprentice
<b>Career Opportunities After Completing Apprenticeship</b>	Pipefitter, Plumbing Technician, Estimator, Maintenance Engineer, Plumbing Sales, Sprinkler Fitter
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Mechanical Engineering Technician, Construction Management, Project Engineering Technician, Sanitation Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical Engineer, Engineering Manager

for further information: [www.bls.gov](http://www.bls.gov)  
[www.abc.com](http://www.abc.com)  
[www.ualocal74.com](http://www.ualocal74.com)  
[www.e-dca.org](http://www.e-dca.org)

### Plumbing Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
46.050321	PLUMBING TECHNOLOGY/PLUMBER I	2
46.050322	PLUMBING TECHNOLOGY/PLUMBER II	2
46.050323	PLUMBING TECHNOLOGY/PLUMBER III	2

## Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R) Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	HVAC-R Apprentice, HVAC-R Counter Sales
<b>Career Opportunities After Completing Apprenticeship</b>	HVAC-R Technician, Maintenance Engineer, Automatic Temperature Control Technician, HVAC-R Estimating & Sales
<b>Career Opportunities After Completing a related 2-year College Degree</b>	HVAC-R Engineering Technician, Construction Manager, Project Engineering Technician, Energy Management
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical Engineer, Engineering Manager

for further information: [www.coolcareers.org/jobs](http://www.coolcareers.org/jobs)  
[www.careervoyages.gov/biotechnology-main.cfm](http://www.careervoyages.gov/biotechnology-main.cfm)

### HVAC-R Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.020121	H/AC/V/R MAINTENANCE TECHNOLOGY/TECHNICIAN I	2
47.020122	H/AC/V/R MAINTENANCE TECHNOLOGY/TECHNICIAN II	2
47.020123	H/AC/V/R MAINTENANCE TECHNOLOGY/TECHNICIAN III	2

## Industrial Mechanics and Maintenance Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Building Maintenance Technician, Facilities Technician, Industrial Maintenance Apprentice, Machinist Apprentice, Millwright Apprentice, Pipefitter Apprentice
<b>Career Opportunities After Completing a related Apprenticeship</b>	Industrial Maintenance Journeyperson ,Machinist, Millwright, Pipefitter
<b>Additional Career Opportunities After Completing Appropriate On-the-job Training and Experience</b>	Maintenance Engineering Technician, Maintenance Supervisor, Welder/Fabricator
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Project Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical Engineer, Engineering Manager, Project Engineer

for further information: [www.bls.gov](http://www.bls.gov)

### Industrial Mechanics and Maintenance Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.030321	INDUSTRIAL MECHANICS AND MAINTENANCE TECHNOLOGY I	13
47.030322	INDUSTRIAL MECHANICS AND MAINTENANCE TECHNOLOGY II	13
47.030323	INDUSTRIAL MECHANICS AND MAINTENANCE TECHNOLOGY III	13

## Stationary Energy Sources Installer & Operator Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Licensed Power Plant Operator (City of Wilmington License)
<b>Additional Career Opportunities After Completing Appropriate Training and On-the-Job Experience</b>	Power Plant Control Room Operator, Quality Control/Industrial Safety Inspector, Start-up Engineer, Stationary Engineer, Water Treatment Technician
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Mechanical Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical Engineer, Engineering Manager

for further information: [www.bls.gov](http://www.bls.gov)

### Stationary Energy Sources Installer & Operator Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.050121	STATIONARY ENERGY SOURCES INSTALLER & OPERATOR I	2
47.050122	STATIONARY ENERGY SOURCES INSTALLER & OPERATOR II	2
47.050123	STATIONARY ENERGY SOURCES INSTALLER & OPERATOR III	2

## Auto Body/Collision and Repair Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Automotive Body Technician, Automotive Glass Installer, Automotive Customizer, Automotive Detailer, Frame Technician, Paint Specialist, Truck Body Technician, Used Car Reconditioning Specialist
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Automotive Body Shop Owner, Automotive Body Shop Supervisor, Estimator, Factory Representative, Insurance Adjuster, Paint Salesperson, Parts Salesperson
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Automotive Manager, Automotive Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Automotive Engineer

for further information: [www.khake.com/page12.html](http://www.khake.com/page12.html)  
[www.careeroverview.com/auto-body-repair-careers.html](http://www.careeroverview.com/auto-body-repair-careers.html)

### Auto Body/Collision and Repair Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060321	AUTOBODY/COLLISION AND REPAIR TECHNOLOGY/TECHNICIAN I	15
47.060322	AUTOBODY/COLLISION AND REPAIR TECHNOLOGY/TECHNICIAN II	15
47.060323	AUTOBODY/COLLISION AND REPAIR TECHNOLOGY/TECHNICIAN III	15

## Automotive Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Automotive Technician, Brake/Tire Specialist, Parts Specialist, Service Advisor, Truck Technician, Service Writer
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Auto Repair Shop Owner, Factory Certified Technician, Factory Representative, Service Manager, Shop Supervisor, Transmission Technician
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Automotive Manager, Automotive Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Automotive Engineer, Automotive Manager

for further information: [www.autocareerstoday.net](http://www.autocareerstoday.net)  
[www.khake.com/page12.html](http://www.khake.com/page12.html)

### Automotive Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060421	AUTOMOBILE/AUTOMOTIVE MECHANICAL TECHNOLOGY/TECHNICIAN I	15
47.060422	AUTOMOBILE/AUTOMOTIVE MECHANICAL TECHNOLOGY/TECHNICIAN II	15
47.060423	AUTOMOBILE/AUTOMOTIVE MECHANICAL TECHNOLOGY/TECHNICIAN III	15

## Diesel Mechanic Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Automotive Diesel Mechanic, Construction Diesel Technician, Light Truck Diesel Specialist, Heavy Truck Diesel Technician, Marine Diesel Engine Mechanic, Parts Specialist, Service Writer
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Diesel Shop Owner, Factory Certified Technician, Factory Representative, Service Manager, Shop Supervisor
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Automotive Manager, Automotive Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Automotive Engineer, Automotive Manager

for further information: [www.khake.com/page12.html](http://www.khake.com/page12.html)  
[www.bls.gov](http://www.bls.gov)

### Diesel Mechanic Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060421	AUTOMOBILE/AUTOMOTIVE MECHANICAL TECHNOLOGY/TECHNICIAN I	15
47.060521	DIESEL MECHANIC TECHNOLOGY/TECHNICIAN I	15
47.060522	DIESEL MECHANIC TECHNOLOGY/TECHNICIAN II	15

## Small Engine Mechanic and Repair Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Construction Equipment Repair Technician, Equipment Salesperson, Motorcycle Mechanic, Outdoor Power Equipment Technician, Parts Specialist
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Small Engine Shop Owner, Factory Certified Technician, Factory Representative, Shop Supervisor
<b>Career Opportunities After Completing a related 2-year or 4-year College Degree</b>	Equipment Sales & Service Manager, Equipment Engineering Technician

for further information: [www.bls.gov](http://www.bls.gov)

### Small Engine Mechanic and Repair Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060621	SMALL ENGINE MECHANIC AND REPAIR TECHNOLOGY/TECHNICIAN I	15
47.060622	SMALL ENGINE MECHANIC AND REPAIR TECHNOLOGY/TECHNICIAN II	15
47.060623	SMALL ENGINE MECHANIC AND REPAIR TECHNOLOGY/TECHNICIAN III	15

## Aircraft Powerplant Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Aircraft Powerplant Technician, Parts Specialist
<b>Career Opportunities After Pathway Completion, H.S. Graduation, Military Service, and Military Aviation Training</b>	Aviation Machinist Mate, Aviation Electrician, Turbo-prop Mechanic, Avionics Technician, Utility Helicopter Mechanic, Jet Engine Mechanic, Flightline Troubleshooter, Aviation Ground Equipment Mechanic
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Airframe Mechanic, Factory Certified Technician, Factory Representative, Shop Supervisor
<b>Career Opportunities After Completing a related 2-year or 4-year College Degree</b>	Aircraft Design and Engineering Technician

for further information: [www.avjobs.com](http://www.avjobs.com)  
[www.airforce.com/careers/enlisted/careers.php](http://www.airforce.com/careers/enlisted/careers.php)  
[www.navy.com/careers/enlisted/aviation](http://www.navy.com/careers/enlisted/aviation)  
[www.marines.com](http://www.marines.com)  
[www.goarmy.com](http://www.goarmy.com)  
[www.careervoyages.gov](http://www.careervoyages.gov)

### Aircraft Powerplant Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060821	AIRCRAFT POWERPLANT TECHNOLOGY/TECHNICIAN I	15
47.060822	AIRCRAFT POWERPLANT TECHNOLOGY/TECHNICIAN II	15
47.060823	AIRCRAFT POWERPLANT TECHNOLOGY/TECHNICIAN III	15

## Marine Engines Technician Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Marine Engines Mechanic, Parts Specialist
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Marine Engines Shop Owner, Factory Certified Technician, Factory Representative, Shop Supervisor
<b>Career Opportunities After Completing a related 2-year or 4-year College Degree</b>	Marine Equipment Sales & Service Manager

for further information: [www.bls.gov](http://www.bls.gov)

### Marine Engines Technician Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
47.060421	AUTOMOBILE/AUTOMOTIVE MECHANICAL TECHNOLOGY/TECHNICIAN I	15
47.999921	MARINE ENGINES TECHNICIAN I	15
47.999922	MARINE ENGINES TECHNICIAN II	15

## Sheet Metal Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Sheet Metal Apprentice, HVAC Counter Sales
<b>Career Opportunities After Completing Apprenticeship</b>	Sheet Metal Journeyman, Sheet Metal Estimator
<b>Career Opportunities After Completing a related 2-year College Degree</b>	HVAC-R Engineering Technician, HVAC-R Service Engineer, Construction Manager, Project Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Mechanical Engineer, Engineering Manager

for further information: [www.bls.gov](http://www.bls.gov)  
[www.abc.com](http://www.abc.com)

### Sheet Metal Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
48.050621	SHEET METAL TECHNOLOGY/SHEETWORKING I	2
48.050622	SHEET METAL TECHNOLOGY/SHEETWORKING II	2
48.050623	SHEET METAL TECHNOLOGY/SHEETWORKING III	2

## Welding Technology Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Construction Welder, Demolition Welder, Ironworker Apprentice, Pipefitting Apprentice, Maintenance Technician, Millwright Apprentice, Shipyard Welder, Welding Apprentice, Welding Counter Sales
<b>Career Opportunities After Completing Apprenticeship</b>	Ironworker, Pipefitter, Millwright, Welder
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Certified Welder, Welding Inspector, Welding Supervisor
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Construction Manager, Mechanical Engineering Technician, Project Engineering Technician, Welding Engineering Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Engineering Manager, Mechanical Engineer, Welding Engineer

for further information: [www.bls.gov](http://www.bls.gov)  
[www.aws.org](http://www.aws.org)

### Welding Technology Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
48.050821	WELDING TECHNOLOGY/WELDER I	2
48.050822	WELDING TECHNOLOGY/WELDER II	2
48.050823	WELDING TECHNOLOGY/WELDER III	2

## Dental Assistant Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Dental Chairside Assistant, Dental Supply Clerk, Dental Receptionist,
<b>Additional Career Opportunities After On-the-job Training, Training Classes, Trade School, and/or Relevant Work Experience</b>	Dental Insurance Claims Processor, Dental Laboratory Technician
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Dental Hygienist

for further information: [www.ada.org](http://www.ada.org)

### Dental Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.060121	DENTAL ASSISTING/ASSISTANT I	8
51.060122	DENTAL ASSISTING/ASSISTANT II	8
51.060123	DENTAL ASSISTING/ASSISTANT III	8

## Dental Laboratory Technician Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Dental Ceramist, Dental Laboratory Technician Apprentice
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Dental Assistant, Dental Insurance Claims Processor, Dental Laboratory Technician
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Dental Laboratory Manager, Dental Hygenist

for further information: [www.ada.org](http://www.ada.org)

### Dental Laboratory Technician Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.060321	DENTAL LABORATORY TECHNOLOGY/TECHNICIAN I	8
51.060322	DENTAL LABORATORY TECHNOLOGY/TECHNICIAN II	8
51.060323	DENTAL LABORATORY TECHNOLOGY/TECHNICIAN III	8

## Medical Assistant Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Medical Assistant, Medical Office Assistant, Medical Receptionist, National Healthcareer Association Certified Clinical Medical Assistant (CCMA)
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Certified Medical Assistant (CMA), EKG Technician, Insurance Claims Processor, Phlebotomist, Medical Billing Clerk, Medical Secretary, Medical Records Clerk
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Medical Office Manager, Medical Laboratory Technician, Veterinary Technician, Medical Transcriptionist.

for further information: [www.nhanow.com](http://www.nhanow.com)  
[www.certmedassistant.com](http://www.certmedassistant.com)

### Medical Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.080121	MEDICAL/CLINICAL ASSISTANT I	8
51.080122	MEDICAL/CLINICAL ASSISTANT II	8
51.080123	MEDICAL/CLINICAL ASSISTANT III	8

## Clinical/Medical Laboratory Assistant Career Pathway

<b>Career Opportunities After Pathway Completion and H.S. Graduation</b>	Clinical/Medical Laboratory Assistant, National Healthcareer Association Certified Medical Laboratory Assistant (CMLA)
<b>Additional Career Opportunities After On-the-job Training, Training Classes, and Relevant Work Experience</b>	Phlebotomist
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Clinical/Medical Laboratory Technician
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Clinical Laboratory Technologist

for further information: [www.nhanow.com](http://www.nhanow.com)  
[www.bls.gov](http://www.bls.gov)

### Clinical/Medical Laboratory Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.080221	CLINICAL/MEDICAL LABORATORY ASSISTANT I	8
51.080222	CLINICAL/MEDICAL LABORATORY ASSISTANT II	8
51.080223	CLINICAL/MEDICAL LABORATORY ASSISTANT III	8

## Licensed Practical Nurse Career Pathway

<b>Career Opportunities After Pathway Completion, Clinical Experience, and Passing CNA Test</b>	Certified Nursing Assistant (CNA)
<b>Career Opportunities After Pathway Completion, Passing LPN Test, and H.S. Graduation</b>	Licensed Practical Nurse (LPN)
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Registered Nurse (RN)
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Registered Nurse (RN)

for further information: [www.medical-career-training.com](http://www.medical-career-training.com)

### Licensed Practical Nurse Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.161321	LICENSED PRACTICAL/VOCATIONAL NURSE TRAINING I	8
51.161322	LICENSED PRACTICAL/VOCATIONAL NURSE TRAINING II	8
51.161323	LICENSED PRACTICAL/VOCATIONAL NURSE TRAINING III	8

## Nursing Assistant Career Pathway

<b>Career Opportunities After Pathway Completion, Passing CNA Test, and H.S. Graduation</b>	Certified Nursing Assistant (CNA)
<b>Additional Career Opportunities After LPN Training Completion and Passing LPN Test.</b>	Licensed Practical Nurse (LPN)
<b>Career Opportunities After Completing a related 2-year College Degree</b>	Registered Nurse (RN)
<b>Career Opportunities After Completing a related 4-year College Degree</b>	Registered Nurse (RN)

for further information: [www.dhss.delaware.gov/dhss/dltcrp/cnareg.html](http://www.dhss.delaware.gov/dhss/dltcrp/cnareg.html)  
[www.medical-career-training.com](http://www.medical-career-training.com)

### Nursing Assistant Pathway Courses

Approved CIP Course Number	Classification of Instructional Programs (CIP) Course Name	Cluster
51.161421	NURSE/NURSING ASSISTANT AND PATIENT CARE ASSISTANT I	8
51.161422	NURSE/NURSING ASSISTANT AND PATIENT CARE ASSISTANT II	8
51.161423	NURSE/NURSING ASSISTANT AND PATIENT CARE ASSISTANT III	8