

A DIRECTORY
OF SKILLED TRADES TRAINING COURSES
AND TRAINING AIDS
IN U.S. SHIPYARDS

Prepared for
NATIONAL SHIPBUILDING RESEARCH PROGRAM
by
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SHIP PRODUCTION COMMITTEE
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FOREWORD

This Directory of Skilled Trades Training Courses and Training Aids in U.S. Shipyards and the companion report together list available training in U.S. shipyards and analyze the needs for training at the apprentice, mechanic, and management levels. The project was carried out under the National Shipbuilding Research Program, in conjunction with the University of Michigan - Professor Howard M. Bunch, Project Manager. Development work was accomplished under subcontract to the Institute of Applied Technology - Jay I. Leanse, Executive Director and Linda L. Jaekel, Project Director.

Training of shipyard employees affects many areas of productivity, such as the application of new technologies, improved work quality, and more efficient time and material usage. Private sector yards have introduced new technologies through the National Shipbuilding Research Program, including Japanese technology and management ideas. Some of these technologies emphasize design and manufacture integration, and detailed work organization and planning. These developments underscore the need for training for the skills being introduced at the apprentice level as well as training in management.

Information contained in this document was provided by the 24 shipyards which responded to the Shipyard Skilled Trades Training Survey in 1983 by supplying information on skilled trades training courses and related training aids. All 57 shipyards which responded to the survey (both those with training and those which did not indicate any training) are identified in Section C, Part 1 "List of Participating Shipyards" of this document.

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DEFINITIONS OF TERMS

A. TRADES

ALL TRADES

Encompasses all shipyard skilled trades.

AIR CONDITIONING EQUIPMENT MECHANIC

Installs, maintains, and repairs refrigeration and air/conditioning equipment.

BLASTER

Prepares surfaces for painting by abrasive blasting. Can be combined with painter in some yards.

BOILERMAKER

Assembles boilers, tanks, and pressure vessels. Uses power tools and hand tools.

CARPENTER

Fabricates and assembles wooden structures, gratings, keel blocks, and shorings.

CHIPPER/GRINDER

Grinds and chips weld splatter, high spots, burrs, weld slag, and rust from metal surfaces, of ships to improve their appearance or prepare them for painting.

ELECTRICIAN

Installs, repairs, and maintains wiring, fixtures, and equipment for shipyard facilities and aboard ship - to include all general electrical work. This includes the trade of 'Marine Electrician' in some yards.

ELECTRICIAN (INSIDE)

Installs and maintains wiring, fixtures, and equipment for shipyard facilities.

ELECTRICIAN (OUTSIDE)

Installs and repairs wiring, fixtures, and equipment for all electrical services aboard ship.

ELECTRONICS MECHANIC

Works on various types of electronic equipment to put it in repaired operating condition.

ELECTROPLATER

Sets up, operates, and maintains metal plating baths to deposit metallic plating for protective purposes, decorative purposes, and to build up worn surfaces.

INSULATOR

Installs insulation in designated areas and on piping aboard ship.

JOINER

Installs finished panels, floor grouting, and tiling in shipboard living quarters.

LOFTSMAN

Lays out lines of ship to full scale on mold-loft floor and constructs templates and molds to be used as patterns and guides for layout and fabrication of various structural parts of ships.

MACHINIST

A general Machinist may be required to perform the duties of both Machinist (Inside) and Machinist (Outside), trades which are described below.

MACHINIST (INSIDE)

Sets up and operates machine tools as well as fits or assembles parts to make or repair metal parts, tools, or machines.

MACHINIST (OUTSIDE)

Installs ship machinery such as propulsion machinery, auxiliary motors, pumps, ventilating equipment, and steering gear.

MOLDER

Heats and pours molten metal into hollow forms in order to produce all manner of metal parts. (Foundryman)

ORDNANCE EQUIPMENT MECHANIC

Repairs machinery and mechanical equipment such as cranes, pumps, motors, and conveyor systems associated with weapons systems.

PAINTER

Mixes and applies paint or other coating materials for protective and decorative purposes by means of spray gun, brush, roller, or immersion. May also perform surface preparation (blasting).

PATTERNMAKER

Plans, lays out and performs machine operations and benchwork to construct, alter and repair three-dimensional wood patterns and core boxes for use in making molds for foundry castings.

PIPEFITTER

Fabricates, lays out, installs, and maintains ships' piping systems, such as steam heating, water, hydraulic, air pressure, and lubrication systems. Uses handtools and shop machines.

PIPEWELDER

Installs, repairs and maintains shipboard piping systems by means of applicable welding processes.

RIGGER/CRANE OPERATOR

Installs and repairs rigging and weight-handling gear. Attaches hoists and handling gear to rigging and operates cranes to lift, move, and position machinery, equipment, structural parts, and other heavy loads aboard ships.

SHEETMETAL MECHANIC

Fabricates, assembles, installs, and repairs sheet-metal.

SHIPFITTER

Lays out and fits up metal structural parts (such as plates, bulkheads, and frames) and maintains them in position for welding.

SHIPWRIGHT

Constructs or repairs wooden ships or ship sections, following blueprints or ship's plans.

TACKER/BURNER

Cuts steel plate by burning. Washes welds and applies temporary welds to position metals for final welding.

WELDER

Makes or repairs structures or parts, using gas or electric welding equipment soldering equipment, gas or electric cutting equipment, etc..

B. SKILL LEVELS

APPRENTICE

An entry-level employee in the process of learning the range of skills of a trade through a formal, structured training program, both on the job and in the classroom.

MECHANIC

An employee who is proficient in the basic job skills. (e.g., Journeyman, etc.)

MANAGER

An employee who is proficient in the job skills and supervises others in the trade. (e.g., Foreman, General Foreman, etc.)

C. TYPE OF COURSE

ACADEMIC

Instruction which provides knowledge essential to the ability to learn trade skills or trade principles. (e.g., English, Math, etc.)

TRADE THEORY

Classroom or structured on-the-job training dealing with specific job skills (and including safety instruction).

SECTION A
DIRECTORY OF COURSES

A List of Courses
For Skilled Trades
In United States Shipyards

December 1983

SECTION A
DIRECTORY OF COURSES

This directory provides skilled trades training course information for 27 trades including information on courses given to "All Trades" (primarily apprentice academics, safety, and supervisory related courses) .

Information about each course is displayed in the following format:

NAME OF COURSE	LEVEL OF TRAINING NUMBER OF COURSE HOURS TYPE OF COURSE ORGANIZATION
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Course listings are provided under the alphabetized trade name, as found at the top of each page. The index on the following page provides the page number on which each trade begins.

Course listings within each trade are indexed according to level of training, beginning with the apprentice level and continuing through to the management level. The level of training is:

- 1 = Apprentice
- 2 = Mechanic
- 3 = Manager

Definitions for these three levels, for the type of course (Academic and/or Trade Theory), and each of the trades can be found on pages i-vi of this document.

Contact information on the training organization can be found in Section C, Part 1 "List of Participating Shipyards", or Part 2 "List of Supplementary Training Organizations".

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Course information is indexed within each trade category according to the level of training, in the following sequence:

1/2/3 = Apprentice, Mechanic & Manager
1/2 = Apprentice & Mechanic
1 = Apprentice
2/3 = Mechanic & Manager
2 = Mechanic
3 = Manager

DIRECTORY OF COURSES

ALL TRADES
APPR. ACADEMICS

ENGLISH 20	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
INDUSTRIAL PSYCHOLOGY 54	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
MATH 66	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
MATH 67	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
PHYSICS 61	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
SPEECH 24	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE
TRADE DRAWING	Level: 1 Hours: Type: ACADEMIC HONOLULU COMMUNITY COLLEGE

DIRECTORY OF COURSES

ALL TRADES
BLUEPRINT READING

ADVANCED BLUEPRINT READING	Level: 1/2/3 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
BASIC BLUEPRINT READING	Level: 1/3 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
BLUEPRINT READING	Level: 1/2 Hours: Type: ACADEMIC TODD PACIFIC SHIPYARDS/ LOS ANGELES

DIRECTORY OF COURSES

ALL TRADES MISCELLANEOUS

AERIAL LIFTS	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICE "IMPROVER"	Level: 1 Hours: Type: TRADE THEORY TODD PACIFIC SHIPYARDS/ LOS ANGELES
CAREER DEVELOPMENT	Level: 3 Hours: Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
INSTRUCTOR DEVELOPMENT COURSE	Level: 2 Hours: 80 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
NEW EMPLOYEE ORIENTATION	Level: 1/2/3 Hours: 4 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
NEWLY HIRED INDOCTRINATION	Level: 1/2 Hours: 6 Type Not Indicated JACKSONVILLE SHIPYARDS, INC.
OP & MAINT OF TORQUE MACHINES	Level: 2 Hours: 16 Type: TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

ALL TRADES
PRODUCTIVITY

PRODUCTIVITY IMPROVEMENT	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
QUALITY CIRCLES TRAINING	Level: 1/2/3 Hours: 9 Type: ACADEMIC PETERSON BUILDERS, INC.

DIRECTORY OF COURSES

ALL TRADES SAFETY

ANNUAL FIRE EXTINGUISHING	Level: 2/3 Hours: Type: TRADE THEORY MISENER INDUSTRIES, INC.
BACK CARE CLASS	Level: 1/2/3 Hours: 1 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
FIRST AID	Level: 1/2/3 Hours: 6 Type Not Indicated JACKSONVILLE SHIPYARDS, INC.
FIRST AID/CARDIOPULMONARY RES .	Level: 1/2/3 Hours: 6.5 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY
HAZARDOUS WASTE	Level: 1/2/3 Hours: 1 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
OIL POLLUTION AWARENESS	Level: 1/2/3 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
OIL SPILL RESPONSE	Level: 1/2 Hours: 1 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
OIL TRANSFER	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ALL TRADES SAFETY

ORIENTATION TO GOOD SAFETY	Level: 1/2/3 Hours: 2 Type: ACADEMIC PETERSON BUILDERS, INC.
SAFETY	Level: 1/2/3 Hours: Type: ACADEMIC BETHLEHEM STEEL/SPARROWS POINT
SAFETY	Level: 1/2/3 Hours: 6 Type Not Indicated JACKSONVILLE SHIPYARDS, INC.
SAFETY ORIENTATION	Level: 2/3 Hours: Type: ACADEMIC MISENER INDUSTRIES, INC.
SAFETY TIPS	Level: 2/3 Hours: Type: TRADE THEORY MISENER INDUSTRIES, INC.
SCAFFOLD SAFETY CLASS	Level: 1/2/3 Hours: 1 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY

DIRECTORY OF COURSES

ALL TRADES SUPERVISORY

ASSERTIVE SUPERVISION	Level: 3 Hours: 8 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
BASIC SUPVR TECH TRAINING	Level: 3 Hours: 232 Type: ACADEMIC & TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
BUSINESS PRACTICES	Level: 3 Hours: 40 Type: ACADEMIC DUNDALK COMMUNITY COLLEGE
CONFLICT MANAGEMENT	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
COUNSELING SKILLS FOR SUPVRS	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
DELEGATING FOR RESULTS	Level: 3 Hours: 8 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
EFFECTIVE WRITING FOR SUPVR	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
EMPLOYEE MANAGEMENT RELATIONS	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

ALL TRADES SUPERVISORY

EXPANDING MANAGERIAL COMPETNCY	Level: 3 Hours: 16 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
FIRST LINE SUPVR TRAINING II	Level: 3 Hours: 40 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
FIRST LINE SUPVR TRAINING III	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
FIRST LINS SUPVR TRAINING I	Level: 3 Hours: 40 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
LABOR RELATIONS CONF - DOD	Level: 3 Hours: 40 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
LABOR RELATIONS TRNG FOR SUPVR	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
LEADERSHIP & SUPV INSTITUTE	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
LEADERSHIP TRAINING	Level: 3 Hours: 8 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

ALL TRADES SUPERVISORY

MAINTENANCE MGMT FUNDAMENTALS	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
MAKING BETTER PRESENTATIONS	Level: 3 Hours: 24 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
MANAGEMENT DEVELOPMENT	Level: 3 Hours: Type: ACADEMIC BATH IRON WORKS CORPORATION
MANAGEMENT REFRESHER	Level: 3 Hours: 32 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
MANAGEMENT SEMINARS	Level: 3 Hours: 16 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
MANAGEMENT TECHNIQUES	Level: 3 Hours: Type: ACADEMIC & TRADE THEORY TODD PACIFIC SHIPYARDS/ LOS ANGELES
MARITIME SUPERVISION MGMT.	Level: 3 Hours: Type: ACADEMIC PINELLAS VOC, -TECH. INSTITUTE
MSPB/EEOC REP AGENCY BEFORE	Level: 3 Hours: 32 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

ALL TRADES SUPERVISORY

PERFORMANCE APPRAISAL - BASIC	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
PERS MGMT FOR SUPVR & MGRS	Level: 3 Hours: 32 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
PRE-SUPERVISORY TRNG PROGRAM	Level: 3 Hours: 120 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
SUPERVISORY DEVELOPMENT	Level: 3 Hours: 88 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD
SUPERVISORY SKILLS/FOREMAN	Level: 3 Hours: 40 Type: ACADEMIC DRAVO CORPORATION
SUPV & GROUP PERFORMANCE	Level: 3 Hours: 40 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
SUPV - IMPACT OF VALUES ON	Level: 3 Hours: 24 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
SUPV COMM WITH PROB EMPLOYEES	Level: 3 Hours: 40 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

ALL TRADES
SUPERVISORY

SUPV WKSHP COMP/APPEAL/GRIEVE Level: 3
Hours: 24
Type: ACADEMIC & TRADE THEORY
LONG BEACH NAVAL SHIPYARD

TEAM BUILDING Level: 3
Hours: 8
Type: ACADEMIC & TRADE THEORY
LONG BEACH NAVAL SHIPYARD

WORKING WITH SUBORDINATES Level: 3
Hours: 16
Type: ACADEMIC & TRADE THEORY
LONG BEACH NAVAL SHIPYARD

WRITING & EDITING FOR SUPVR Level: 3
Hours: 24
Type: ACADEMIC & TRADE THEORY
LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

A/C EQUIP MECH

APPRENTICESHIP	Level: 1 Hours: 480 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 336 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 840 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 600 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,114 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

BOILERMAKER

APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 520 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 84 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,000 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 580 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD

DIRECTORY OF COURSES

CARPENTER

APPRENTICESHIP	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 400 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 90 Type: TRADE THEORY INTERNATIONAL CORRESPONDENCE SCHOOL
APPRENTICESHIP	Level: 1 Hours: 576 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

CARPENTER

SHIP NOMENCLATURE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
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PORTABLE POWER TOOLS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CHAR. WOODS/LUMBER COMPUTATION	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WOODWORKING JOINTS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
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BLUEPRINT READING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
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DIRECTORY OF COURSES

CARPENTER

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HAZARDOUS MATERIAL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FRAME CONSTRUCTION	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FRAMING SQUARE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MACHINE WOODWORKING	Level: 1 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DOORS	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STAIRS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DECK COVERING	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

CARPENTER

SHIPBOARD INSULATION	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FORMICA	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TRESTLE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
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DIRECTORY OF COURSES

CARPENTER

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FORMICA	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HAZARDOUS MATERIAL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CABINET MAKING	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
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TRESTLES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

CARPENTER

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HOUSE CONSTRUCTION	Level: 1 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DOORS	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STAIR BUILDING	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MACHINE WOODWORKING	Level: 1 Hours: 80 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WORKBENCH & TABLE CONSTRUCTION	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
RADCON REVIEW	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GLOVE BAGS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

CARPENTER

POLY BTL AND DROP CLOTH	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CON BAG INSTALLATION	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRACTICAL FACTORS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GLOVE BAG REMOVAL	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LINES OF SHIP	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
TOOLS, TERMS, AND MATERIAL	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
NEUTRON SHIELDING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LAYOUT OF EXPANSION GAPS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

CARPENTER

TOLERANCES, INSPECTION
Level: 1/2
Hours: 4
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

DRY NEUTRON SHIELDING
Level: 1/2
Hours: 2
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

NUCLEAR REFRESHER
Level: 1/2
Hours: 4
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

CONDOR
Level: 1/2
Hours: 3
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

STUD WELDING
Level: 1/2
Hours: 8
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

REPAIR & REMODELING
Level: 2
Hours: 32
Type: TRADE THEORY
PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

MARINE ELECTRICIAN	Level: 1 Hours: 520 Type: ACADEMIC & TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
MARINE ELECTRICITY	Level: 1 Hours: 100 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY
SHIPBOARD INSTALLATION/WIRES	Level: 1 Hours: 10 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
C1 WRITTEN COMMUNICATION	Level: 1 Hours: 40 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE

DIRECTORY OF COURSES

ELECTRICIAN

C2 SPOKEN COMMUNICATION	Level: 1 Hours: 40 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 1032 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
REVIEW OF ARITHMETIC	Level: 1 Hours: 32 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
ALGEBRAIC ADDITION/SUBTRACTION	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
ALGEBRIC MULTIPLICATION/DIV.	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
EQUATIONS	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
POWERS OF TEN (ALGEBRA)	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
UNITS & DIMENSIONS (ALGEBRA)	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

PLANE TRIG/ANGLES/RT TRIANGLES	Level: 1 Hours: 8 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
PLANE TRIG/FUNCTIONS OF ANGLES	Level: 1 Hours: 8 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
DIGITAL LOGIC FUNDAMENTALS	Level: 1 Hours: 28 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIP NOMENCLATURE	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELEC CABLES & ACCESSORIES	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ISOMETRIC WIRING DIAGRAMS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELECTRICAL SYSTEM DECK PLANS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELEMENTARY WIRING DIAGRAMS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

ELECTRICAL ARRANGEMENT PLANS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GRID-TYPE ELECTRON TUBES	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SEMICONDUCTOR THEORY	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TRANSISTOR FUNDA. & AMPLIFIERS	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
AMPLIFIER COUPLING & OSCILLATR	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
THERMISTORS/ZENERS/PHOTOCELLS	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIAA NAVAL SHIPYARD
SILICON CTRLD RECTIFIERS, ETC\	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELECTRONIC CIRCUIT TESTING	Level: 1 Hours: 28 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

NUMBER SYSTEMS FOR COMPUTERS	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CONTROL & PROTECTIVE DEVICES	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. POWER DISTRIBUTION	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIPBOARD GENERAL LIGHTING	Level: 1 Hours: 32 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NAVIGATION & SIGNAL LIGHTS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIPBOARD DEGAUSSING	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELECTRIC MOTOR CONTROLS/BRAKES	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPLICATIONS OF TEST EQUIPMENT	Level: 1 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

VACUUM TUBE POWER SUPPLIES	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. GENERATORS	Level: 1 Hours: 48 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. MOTORS	Level: 1 Hours: 72 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. MOTOR CONTROLLERS	Level: 1 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INSTRUMENTS AND METER	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MAGNETIC AMPLIFIERS	Level: 1 Hours: 32 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SPEED AND VOLTAGE REGULATORS	Level: 1 Hours: 48 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SYNCHROS	Level: 1 Hours: 50 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

I.C. SYSTEMS	Level: 1 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELEC CONDUCTORS/WIRING TECHN.	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELECTRO-MAGNETISM	Level: 1 Hours: 28 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
D.C. GENERATORS	Level: 1 Hours: 48 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
D.C. MOTORS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
D.C. MOTOR CONTROLLERS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. FUNDAMENTALS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
A.C. SERIES & PARALLEL CIRCUIT	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

TRANSFORMERS	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NOMENCLATURE/APPR REQ & DESCR.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TOOLS OF THE TRADE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIPYARD SAFETY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOLECULES, ATOMS, CONDTRS, INSUL.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
METHODS OF PRODUCING A VOLTAGE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELEC CURRENT & RESISTANCE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BATTERIES	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

OHMS LAW FOR D.C. CIRCUITS	Level: 1 Hours: 48 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PLANE TRIG/SOLVE RIGHT ANGLES	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
PLANE TRIG - VECTORS	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
FRACTIONAL EQUATIONS	Level: 1 Hours: 32 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
SIMULTANEOUS EQUATIONS	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
EXPONENTS AND RADICALS	Level: 1 Hours: 16 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
QUADRATIC EQUATIONS	Level: 1 Hours: 20 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD
COMMON LOGARITHMS	Level: 1 Hours: 24 Type: ACADEMIC PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 1,950 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,140 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,192 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
ELECTRICIAN	Level: 1/2 Hours: Type: ACADEMIC & TRADE THEORY TODD PACIFIC SHIPYARDS/ LOS ANGELES
MARINE ELECTRICITY	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
CIRCUIT BREAKER TRAINING	Level: 2 Hours: 40 Type: TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
D.C. DRIVES SCHOOL	Level: 2 Hours: 40 Type: TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

ELECTRICIAN

1984 NAT'L ELECT. CODE CHANGES Level: 2
Hours: 8
Type: TRADE THEORY
PORTSMOUTH NAVAL SHIPYARD

HIGH VOLTAGE CABLE SPLICING Level: 2
Hours: 32
Type: TRADE THEORY
PORTSMOUTH NAVAL SHIPYARD

SWITCHGEAR VOLTAGE MAINTENANCE Level: 2
Hours: 16
Type: TRADE THEORY
PORTSMOUTH NAVAL SHIPYARD

PLANT ELEC. MAINTENANCE Level: 1
Hours:
Type: ACADEMIC
ICS-INTEXT

APPRENTICESHIP Level: 1
Hours: 8,000
Type: ACADEMIC & TRADE THEORY
NEWPORT NEWS SHIPBUILDING

BLUEPRINT READING Level: 1
Hours: 22
Type: TRADE THEORY
PETERSON BUILDERS, INC.

ORIENTATION TO PBI & ELEC DEPT Level: 1
Hours: 1
Type: ACADEMIC & TRADE THEORY
PETERSON BUILDERS, INC.

APPRENTICESHIP Level: 1
Hours: 432
Type: ACADEMIC & TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN

PRE-EMPLOYMENT	Level: 1 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WIRE WRAPPING	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LIGHTING	Level: 1/2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP	Level: 1/2 Hours: 20 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CABLE INSTALLATION	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CONNECTOR PLUGS	Level: 1/2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
BLUEPRINT READING	Level: 1/2 Hours: 20 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PREP. HIGH TEMP. CABLES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN

HOOK-UP NUCLEAR COMPONENTS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP KPI TERM BOX/SHIELD	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP KP-C TERM BOX	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PREP PI CABLE ENDS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LOCKWIRE NUCLEAR COMP.	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WIREWAYS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
JOB PAPER	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (MICROMARK)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN

STUD WELDING (OPEN LOOP)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WIRE WRAPPING	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VISUAL INSPECTION	Level: 3 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN (INSIDE)

PLANT ELEC. MAINTENANCE

Level: 1
Hours:
Type: ACADEMIC
ICS-INTXT

APPRENTICESHIP

Level: 1
Hours: 8,000
Type: ACADEMIC & TRADE THEORY
NEWPORT NEWS SHIPBUILDING

DIRECTORY OF COURSES

ELECTRICIAN (OUTSIDE)

BLUEPRINT READING	Level: 1 Hours: 22 Type: TRADE THEORY PETERSON BUILDERS, INC.
ORIENTATION TO PBI & ELEC DEPT	Level: 1 Hours: 1 Type: ACADEMIC & TRADE THEORY PETERSON BUILDERS, INC.
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRE-EMPLOYMENT	Level: 1 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WIRE WRAPPING	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LIGHTING	Level: 1/2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP	Level: 1/2 Hours: 20 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CABLE INSTALLATION	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN (OUTSIDE)

CONNECTOR PLUGS	Level: 1/2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
BLUEPRINT READING	Level: 1/2 Hours: 20 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PREP. HIGH TEMP. CABLES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP NUCLEAR COMPONENTS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP KPI TERM BOX/SHIELD	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOOK-UP KP-C TERM BOX	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PREP PI CABLE ENDS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LOCKWIRE NUCLEAR COMP.	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRICIAN (OUTSIDE)

WIREWAYS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
JOB PAPER	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (MICROMARK)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (OPEN LOOP)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WIRE WRAPPING	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
VISUAL INSPECTION	Level: 3 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRONICS MECHANIC

WRITTEN COMMUNICATION	Level: 1 Hours: 40 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
SPOKEN COMMUNICATION	Level: 1 Hours: 40 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 1640 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 1,680 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,783 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,736 Type: ACADEMIC & TRADE THEORY. PORTSMOUTH NAVAL SHIPYARD
SOFT SOLDERING	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

ELECTRONICS
MECHANIC

2925-26

Level: 2
Hours:
Type: ACADEMIC & TRADE THEORY
HARBOR OCCUPATIONAL CENTER

DIRECTORY OF COURSES

ELECTROPLATER

APPRENTICESHIP

Level: 1
Hours: 400
Type: ACADEMIC
TRIDENT TECHNICAL COLLEGE

APPRENTICESHIP

Level: 1
Hours: 320
Type: TRADE THEORY
KUSHNER ELECTROPLATING SCHOOL

DIRECTORY OF COURSES

INSULATOR

APPRENTICESHIP	Level: 1 Hours: 360 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 84 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 720 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 520 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 704 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

JOINER

APPRENTICESHIP

Level: 1
Hours: 8,000
Type: ACADEMIC & TRADE THEORY
NEWPORT NEWS SHIPBUILDING

DIRECTORY OF COURSES

LOFTSMAN

APPRENTICESHIP	Level: 1 Hours: Type: ACADEMIC & TRADE THEORY COMMUNITY COLLEGE OF ALLEGHENY COUNTY
APPRENTICESHIP	Level: 1 Hours: 1,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY DRAVO CORPORATION
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
INTRODUCTION TO LOFTING/ALKON	Level: 2 Hours: 320 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
LAYOUT IN NASSCO'S COMPUTER	Level: 2 Hours: 18 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY

DIRECTORY OF COURSES

MACHINIST

APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
BLUEPRINT READING & BENCHWORK	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
BASIC ENGINE LATHE OPERATION	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
ADVANCED ENGINE LATHE OPER.	Level: 1 Hours: 5 Type Not Indicated NATIONAL STEEL & SHIPBUILDING COMPANY
ADVANCED BLUEPRINT READING	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
INDEXING, CARBIDE CUTTER, ETC.	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
ANGULAR CIRCULATIONS	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
GEAR CUTTING, INSPECTION	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY

DIRECTORY OF COURSES

MACHINIST

SPECIAL PROCESSES, HYDRAULICS	Level: 1 Hours: 5 Type: ACADEMIC NATIONAL STEEL & SHIPBUILDING COMPANY
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 560 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 640 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
NOMENCLATURE/SAFETY/JOB DESC.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BOILER FUNCTIONS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
EXHAUST & STEAM SYSTEMS	Level: 1 Hours: 30 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PRESSURE/TEMP. MEASUREMENT	Level: 1 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

TURBINE THEORY	Level: 1 Hours: 10 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHAFTING, PROPELLER & BEARINGS	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PLAIN BEARINGS	Level: 1 Hours: 3 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC HAND TOOLS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC MACHINES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
VALVES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LUBRICATION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
AIR COMPRESSORS HP/LP	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

STEERING SYSTEMS	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DECK WINCHES	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
COUPLING ALIGNMENT	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ORDNANCE, BASIC TERMS	Level: 1 Hours: 3 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GUN MOUNTS	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ORDNANCE MISSILE SYSTEMS	Level: 1 Hours: 18 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INTRODUCTION TO SONAR	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ORDNANCE RECOIL & CON. REC.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

OPERATION OF BREECH	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FIRING MECHANISMS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PUMPS (ALL TYPES)	Level: 1 Hours: 22 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BLUEPRINT READING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ORDNANCE ALIGNMENT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ARRESTING GEAR & BARRICADE SYS	Level: 1 Hours: 15 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CATAPULTS	Level: 1 Hours: 10 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GEARS & GEARING SPUR GEARS	Level: 1 Hours: 14 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

GEARS & GEARING GEAR RATIO	Level: 1 Hours: 14 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GEARS & GEARING INSTALLATION	Level: 1 Hours: 14 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GEARS-HELICAL, BEVEL, WORM	Level: 1 Hours: 52 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FORCED DRAFT BLOWERS	Level: 1 Hours: 6 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
AUTO COMBUSTION CONTROLS	Level: 1 Hours: 6 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIPS TURBO GENERATORS	Level: 1 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 1,560 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

APPRENTICESHIP	Level: 1 Hours: 560 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,261 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
MACHINE SHOP I & II	Level: 1/2 Hours: Type Not Indicated SO. WESTERN OREGON COMMUNITY COLLEGE
BLUEPRINT READING	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
DIESEL	Level: 1/2 Hours: 135 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
PRECISION MEASUREMENT	Level: 1/2 Hours: 15 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC HYDRAULICS	Level: 1/2 Hours: 30 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
AIR CONDITIONING/REFRIGERTAION	Level: 1/2 Hours: 30 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MACHINIST

DISTILLATION UNITS	Level: 1/2 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MODERN ENGINEERING THEORY	Level: 1/2 Hours: 160 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DIESEL ENGINES	Level: 1/2 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GOVERNORS SCHOOL	Level: 1/2 Hours: 30 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MARINE GAS TURBINE SCHOOL	Level: 1/2 Hours: 30 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DALIC PLATING	Level: 2 Hours: 40 Type: TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
BALANCING SEMINAR	Level: 2 Hours: 40 Type: TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: Type: ACADEMIC & TRADE THEORY COMMUNITY COLLEGE OF ALLEGHENY COUNTY

DIRECTORY OF COURSES

MACHINIST

INSIDE MACHINIST	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY DRAVO CORPORATION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 576 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
OUTSIDE MACHINIST	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION

DIRECTORY OF COURSES

MACHINIST

APPRENTICESHIP	Level: 1 Hours: 576 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
INTRO TO NUCLEAR	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
NEW CONSTRUCTION DOC.	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LINES OF SHIP	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PLAN READING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
TOOLS, AND THEIR USE	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRECISION INSTRUMENTS	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST

SURFACE & FITTING OF LINERS	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
THREADED FASTENERS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
COMPONENT ALIGNMENT	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
INSTALLATION OF MOUNTS	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LOCKING DEVICES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE REPAIR	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PORTABLE EQUIPMENT	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CANOPY CUTTING TOOLS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST

PREP. TOOLS AND PROCEDURES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LIP SEAL IN CONCON BAGS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE DISASSEMBLY & ASSEMBLY	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
INTERNAL PLUGGING OF VALVES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE TAPPING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
REPACKING VALVES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CANOPY FIT-UPS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GRADE A CLEANING	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST

REFRESHER SERIES - NUCLEAR	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
DOCUMENTATION	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (MICROMARK)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (OPEN LOOP)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VISUAL INSPECTION	Level: 3 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST
(INSIDE)

APPRENTICESHIP	Level: 1 Hours: Type: ACADEMIC & TRADE THEORY COMMUNITY COLLEGE OF ALLEGHENY COUNTY
INSIDE MACHINIST	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY DRAVO CORPORATION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 576 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST (OUTSIDE)

OUTSIDE MACHINIST	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 576 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
INTRO TO NUCLEAR	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
NEW CONSTRUCTION DOC.	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LINES OF SHIP	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST (OUTSIDE)

PLAN READING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
TOOLS ,AND THEIR USE	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
PRECISION INSTRUMENTS	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
SURFACE & FITTING OF LINERS	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
THREADED FASTENERS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
COMPONENT ALIGNMENT	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
INSTALLATION OF MOUNTS	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LOCKING DEVICES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST (OUTSIDE)

VALVE REPAIR	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PORTABLE EQUIPMENT	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CANOPY CUTTING TOOLS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PREP. TOOLS AND PROCEDURES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LIP SEAL IN CONCON BAGS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE DISASSEMBLY & ASSEMBLY	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
INTERNAL PLUGGING OF VALVES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE TAPPING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MACHINIST (OUTSIDE)

REPACKING VALVES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CANOPY FIT-UPS	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GRADE A CLEANING	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
REFRESHER SERIES - NUCLEAR	Level: 1/2 Hours: 6 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
DOCUMENTATION	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (MICROMARK)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING (OPEN LOOP)	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VISUAL INSPECTION	Level: 3 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

MOLDER

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 440 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 16 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
CENTRIFUGAL CASTING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TILT MACHINE CASTING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ANALYSIS OF CASTING	Level: 1 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MARKING TABLE & INSPECTION	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NON-FER ALLOYS MOLD MAKING FDL	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MOLDER

CHILLS, VENTS, FILLETS, POURING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOLD FUNDA/ALUM, MAGNESM ALLOY	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOLDING FUNDA/FERROUS ALLOYS	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORE MAKING FUNDAMENTALS	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORE OVEN, BAKING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HEAT TRANSFER & SOLIDIFICATION	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHRINKAGE & RISERS	Level: 1 Hours: 10 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FEEDING DIST/ATMOSPHERIC PRESS	Level: 1 Hours: 5 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MOLDER

PROPELLER MOLDING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PROPELLER ASSEMBLY	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HORIZONTAL GRATING III	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
VERTICAL GRATING I	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
VERTICAL GRATING II	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
VERTICAL GRATING III	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HEAT TRANSFER & SOLIDIFICATION	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHAKEOUT PROCEDURE	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVALSHIPYARD

DIRECTORY OF COURSES

MOLDER

CASTING INSPECTION	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FLOW OF MOLTEN METAL I	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FLOW OF MOLTEN METAL II	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HORIZONTAL GATING I	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HORIZONTAL GATING II	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CEMENT AND CORE SANDS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SAND TESTING PROCEDURES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOLD CORE WASH	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MOLDER

CLASSIFICATION OF FOUNDRIES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN TYP/MOLD PARTS/GATING	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORES CORE-MAKING PROCESS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SAND TYPES/MOLD MACH/MOLD PROC	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FURNACE TYPES & OP & LADLES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ADDITION TO SYNTHETIC SANDS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INTRO TO FOUNDRY WORK	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC SHOP ORGANIZATION	Level: 1 Hours: 1.33 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

MOLDER

SAFETY PRACTICES & PRECAUTIONS	Level: 1 Hours: 1.33 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FOUNDRY TERMINOLOGY	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HAND & POWER TOOLS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN FUNDAMENTALS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SYNTHETIC SANDS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NO BAKE SANDS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 400 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD

DIRECTORY OF COURSES

ORDNANCE EQUIP
MECHANIC

APPRENTICESHIP

Level: 1
Hours: 720
Type: ACADEMIC & TRADE THEORY
LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
APPRENTICESHIP	Level: 1 Hours: 400 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 126 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HISTORY OF PAINT	Level: 1 Hours: 2 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NOMENCLATURE OF NAVAL VESSELS	Level: 1 Hours: 2 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HEALTH, SAFETY & EQUIPMENT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

CHEMICAL TERMS OF PAINT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF SPRAY GUN	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
THEORY OF CORROSION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MAIN PIGMENTS IN PAINT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WHAT NOT TO PAINT AND WHY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINT REMOVAL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ANTI FOULING PAINT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PICKLING OF STEEL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

PREPARING, PRIMING INTERIOR	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MIXING FLAT AND GLOSS PAINT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PRIMARY AND SECONDARY COLORS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MATH OF MATERIALS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PIPE LINES, LAGGING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MATH OF AREAS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
COMPOSITION OF VARNISH	Level: 1 Hours: 2.6 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
COMPOSITION OF SHELLAC	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

COMPOSITION OF STAIN	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FORMULAS OF WOOD STAIN	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ALODIZING OF ALUMINUM	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LOCATION OF DECKS, COMPARTMENTS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING OF MASTS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING OF ANTENNA	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
REMOVAL OF PAINT	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CLEANING & BRUSHING TANKS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

SPRAYING OF TANKS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BOTTOM PAINTING OF SHIPS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ESTABLISH WATER LINES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DRAFT FIGURES AND NAMES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SCALING OF DOMES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
RUBBER ON SHAFTS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SOUND DAMPENING	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
VERMICULITE PAINT	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

MASKING OFF AREAS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF DROP CLOTHES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FAIRWATERS, SKEGS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SPECIES OF WOOD	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ABRASIVES	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GLOSSARY OF TERMS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STAINING	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DISADVANTAGES OF OIL STAINS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

SOLVENTS AND DRIERS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PIGMENT OIL STAINS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WOODEN AND FIBERGLASS BOATS	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STENCILING	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GILDING	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
COPPER BOTTOM PAINT	Level: 1 Hours: 2.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PRIMERS, EMULSION PAINTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MATERIALS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

PAINT FORMULAS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CODE NUMBERS OF PAINTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF IRON FILLERS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CARE OF EQUIPMENT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF MATRLS IN BLDG 990& 816	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
OPERATE SAND BLAST MACHINE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SPECIAL PROCESSES ON ANTENNAS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MIXING OF MATERIALS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

USE OF RESPIRATORS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF AIRLESS SPRAY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DECKING MATERIALS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PREPARING DECKS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
USE OF MIXING MACHINES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NON-SKID DECK SURFACES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WOOD SURFACE PREPARATION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
REMOVING OLD FINISH	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

USE OF REMOVERS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHELLAC, LACQUER VARNISH	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING OUTSIDE BUILDINGS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
RIGGING, USE OF ROPES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINT FAILURES AND REMEDIES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WATER PAINTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ACOUSTICAL PAINTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WEATHER CONDITIONS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

FURNITURE REFINISH	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING PLASTER WALLS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING IRREGULAR SURFACES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PAINTING STRUTS, RUDDERS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TEFLON APPLICATION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ARABOL APPLICATION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PLANNING & ESTIMATING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TIME KEEPING	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

MATERIAL REQUEST	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
JOB ORDERS	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NIGHT LETTERS	Level: 1 Hours: 6.67 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LEAVE SLIPS, SHOP REPORTS	Level: 1 Hours: 13.34 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 800 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 400 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 600 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

PAINTER

PAINT & SURFACE PREPARATION	Level: 1/2 Hours: 5 Type: TRADE THEORY PETERSON BUILDERS, INC.
CONDOR	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PAINT SCHEDULE	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
DECONTAMINATION	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOUSEKEEPING	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GRADE A	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
SHIPYARD COATING	Level: 3 Hours: 6 Type: TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
CHIEF FUNCTIONS OF PAINT	Level: I Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 640 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 72 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
ADV PATTERNMAKING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ADV PATTERNMAKING, CONSTR OF.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SKELTON & SWEEP PATT/RED ELBOW	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GEN SHIPWORK-SHIP LINE, MOCK-UP	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
REV OF TRIG & COMPOUND ANGLES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

REV OF VAR METALS,WGT OF CAST	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CAREER COURSE FOR PATTERNMAKER	Level: 1 Hours: 64 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT PATTERNS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT & SECTION DEV.	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT DEV:ARMS, PALM, CORE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PROPELLERS: LAYOUT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PROP DEV: A-HUB AND CORE BOY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PROP DEV: SPINDLE ALIGNMENT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

PROP DEV:FILLETS,BATTENS,STOOL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HULL PTRNS:MOLD LOFT,SHIP LINE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIP LINES: DECK CAST, OFFSETS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LAYOUT:MOLD LOFT TEMPLATES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOCK-UPS & MODELS:CONSTRUCTION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT PTRNS:MOLD LOFT TEMPLATE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT PATTERNS: LAYOUT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STRUT LAYOUT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

MOLD PRAC FOR STRUT PATTERNS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GLOBE VALVES:LAYOUT OF PATTERN	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GLOBE VALVES:PTRN CONSTR,MOLD	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GLOBE VALVES:PREP LUMBER,LATHE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LATHE: TURNING GLOBE & BONNET	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
GLOBE VALVES:PTRN MANU,FLANGES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORE-BOX FOR GLOBE VALVES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORE-BOX:CORE SEAT,JIG & GUIDE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

CORE-BOX:CUTTING BOY, SEAT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CONSTR PROB:LUMBER SHRINKAGE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
COVER CORES: PURPOSE & USE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FOUNDRY FLASKS:MULTI FLASKS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PROD TYPE PATTERNS:MATCH BOARD	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ONE-TIME PATTERN JOBS:PLASTICS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FOUNDRY CONSIDERATIONS:CASTING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FOUNDRY CONSID:BAL CORE PRINTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

PATTERNS: CHECKING PATTERNS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ELBOW PIPE PATTERNS: SHAPING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NOZZLES PATTERN:LAYOUT,TURNING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CORE-BOX:ASMBLY, NOZZLE LAYOUT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ADV PATTERNMAKING:SEGMENTS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN REMOVAL:DRAW RODS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LAGGING STAVE WORK:DEV & ADV	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LATHE TEMPLATES: APPLICATION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

DEV OF PATTERNS: BASIC LINES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MANU OF PARTS FOR PATTERNS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHAPING:CONSTR LINES, CASTING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN COMPLETION	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HAND WHEELS:LAYOUT,METH MOLDIN	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STOCK PREPARATION HAND WHEELS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ASSEMBLE & CHECKING HAND WHEEL	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STAVING:LAYOUT AND BUILDING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

LATHE WORK: TYPES WOOD LATHES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LATHE TOOLS: TYPES, GRINDING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TURNING MATERIAL:SEL OF STOCK	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOUNTING:METHODS OF TURNING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LATHE WORK: TECHNIQUES & TOOLS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FACE PLATE:LATHES & MOUNTING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FILLETS:TYPES & APPLICATIONS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SAFETY PRECAUTIONS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

PATTERN SHOP PROCESSES/TECHNIQ Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

CORE PRINTS:CONSTRUCTION OF Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

TEMPLATES:PURPOSE & DEVELOPMENT Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

SEGMENTS:ADV, DEV FROM LAYOUT Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

SEGMENTS:LAYOUT,CUTTING,GLUING Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

LAGGING:PATTERN MODIFICATION Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

RELATED PRACTICES:BLUEPRINTS Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

RELATED PRAC:FLASK FOR MOLDING Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

RELATED TRADES FOUNDRY: CORE	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MACHINE SHOP: PATTERN MAKING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN SHOP PROCESSES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN CONSTR & MACHINERY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
JOINING OF LUMBER: TYP OF JOINT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HAND TOOLS: BENCH PLANES, GRIND	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CARVING TOOLS: GOUGES & CHISELS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MACHINERY: BAND SAWS, JOINER	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

MACHINERY:WOODLATHES,SAFE FACT	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LAYOUT:BOARDS & GEOMETRY	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MOLDING TECH:LOOSE PIECES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FOUNDRIES:FERROUS/NON-FERROUS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INTRO TO TRADE:HISTORY & TERMS	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PHASES OF PATTERNMAKING	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LUMBER:TYPES/ PLASTER	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PATTERN SUPPLIES:GLUE,EXPOXIES	Level: 1 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PATTERNMAKER

CONSTR TOOLS:HAMMERS, BRACE, ETC Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

POWER DRIVE PORTABLE HAND TOOL Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

LAYOUT TOOLS/MEASURING TOOLS Level: 1
Hours: 4
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

GENERAL SAFETY Level: 1
Hours:
Type: TRADE THEORY
PHILADELPHIA NAVAL SHIPYARD

APPRENTICESHIP Level: 1
Hours: 660
Type: TRADE THEORY
PEARL HARBOR NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEFITTER

HEATING SYS & TROUBLE SHOOTING	Level: 1 Hours: 160 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CAULKING JOINTS	Level: 1 Hours: 37 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC HYDRAULICS	Level: 1 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC PNEUMATICS	Level: 1 Hours: 40 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DRAINAGE SYSTEMS	Level: 1 Hours: 210 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BASIC PLUMBING	Level: 1 Hours: 132 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PRE-EMPLOYMENT	Level: 1 Hours: 200 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
ON THE JOB TRAINING	Level: 1 Hours: 400 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEFITTER

APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
THREADING PIPE	Level: 1 Hours: 64 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
MARINE PIPEFITTING: BASIC	Level: 1 Hours: 160 Type: TRADE THEORY SAN DIEGO TECHNICAL INSTITUTE
2935-06	Level: 1 Hours: Type: ACADEMIC HARBOR OCCUPATIONAL CENTER
PIPEFITTER LEARNER TRAINING	Level: 1 Hours: Type: TRADE THEORY BAKER MARINE CORP.
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
PIPEFITTER	Level: 1 Hours: 520 Type: ACADEMIC & TRADE THEORY R.E. DERECKTOR OF R.I., INC.

DIRECTORY OF COURSES

PIPEFITTER

APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
BASIC MARINE PIPEFITTING	Level: 1 Hours: 28 Type: TRADE THEORY PETERSON BUILDERS, INC.
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 480 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 638 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 600 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,000 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEFITTER

APPRENTICESHIP	Level: 1 Hours: 800 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
SHOP ORIENTATION	Level: 1/2 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
THREADING AND CLAENING	Level: 1/2 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CLASSIFICATION OF PIPE	Level: 1/2 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BULEPRINT READING	Level: 1/2 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LAYING COMP. BENDS	Level: 1/2 Hours: 27 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DEV. BRANCH PATTERNS	Level: 1/2 Hours: 26 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
TEMPLATE FABRICATION	Level: 1/2 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEFITTER

LIFING AND HANDLING	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PROTECTION OF PIPE AND CABLE	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VALVE ORIENTATION	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PIPE DAMAGE	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FITTING FLEXIBLE CON.	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
NUCLEAR REFRESHER	Level: 1/2 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
ORIGINATING PAPER	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
MATERIAL IDENTIFICATION	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEFITTER

SYSTEM CLEANLINESS	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FITTING NUCLEAR JOINTS	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
MANUAL CUTTING-NUCLEAR JOINTS	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PIPE BEND DATA SYSTEM	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRECISION TOOLS	Level: 1/2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LOCKWIRE PROCEDURES	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FREEZE SEALS	Level: 1/2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GLOVE BAG QUALITY	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEFITTER

CHT SYSTEMS	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SHIP SERV. SYSTEM	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INSULATION PRACTICES	Level: 1/2 Hours: 25 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SKETCHING FROM PRINTS	Level: 1/2 Hours: 28 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
PIPEFITTING	Level: 1/2 Hours: Type: ACADEMIC & TRADE THEORY TODD PACIFIC SHIPYARDS/LOS ANGELES
MARINE PIPEFITTING	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
QUALITY REVIEW	Level: 1/2/3 Hours: 1 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
SHIP SILENCING	Level: 1/2/3 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEFITTER

SILVER BRAZING	Level: 2 Hours: 160 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
MARINE PIPEFITTING	Level: 2 Hours: 300 Type: ACADEMIC & TRADE THEORY SAN DIEGO CITY COLLEGE
BLUEPRINT READING	Level: 2 Hours: 40 Type: ACADEMIC & TRADE THEORY DRAVO CORPORATION
PROJECT MANAGEMENT	Level: 3 Hours: 32 Type: ACADEMIC PORTSMOUTH NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEFITTER

ACERTS/CAL SYSTEM	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LIFTING AND HANDLING	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FLEXIBLE CONNECTORS	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
MIL STANDARDS & SPECIFICATIONS	Level: 1/2 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MAIN STEAM	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CONDENSATE SYSTEM	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
AUXILLERY STEAM SYSTEM	Level: 1/2 Hours: 24 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STEAM DRAINS	Level: 1/2 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEFITTER

FUELOIL SYSTEMS	Level: 1/2 Hours: 16 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
LO AND BALLASTING SYSTEMS	Level: 1/2 Hours: 12 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HP, LP, MP SYSTEMS	Level: 1/2 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HYDRAULIC SYSTEMS	Level: 1/2 Hours: 14 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DIESEL SYSTEMS	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DISTILLATION SYSTEMS	Level: 1/2 Hours: 8 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
REFREGERATION & AIR CONDITIONI	Level: 1/2 Hours: 4 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
FRESH AND SEA WATER PIPING	Level: 1/2 Hours: 20 Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

PIPEWELDER

APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
PIPEWELDER	Level: 2 Hours: 20 Type: TRADE THEORY JEFFBOAT, INC.
SELECTION PROG.	Level: 2 Hours: 104 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
DIAMETRICS	Level: 2 Hours: 160 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
BI-METALLIC	Level: 2 Hours: 32 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CARBON STEEL	Level: 2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CRES	Level: 2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CUNI	Level: 2 Hours: 96 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEWELDER

INCONEL	Level: 2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
NICU	Level: 2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PERFORMANCE IMPROVEMENT	Level: 2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PURGING	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
SOCKETS	Level: 2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
VISUAL & 5X	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
905 DOCUMENTATION	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CLEANLINESS REQUIREMENTS	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

PIPEWELDER

MATERIAL IDENTIFICATION

Level: 2
Hours: 3
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

RIGGER

APPRENTICE PROGRAM	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
APPRENTICESHIP	Level: 1 Hours: 4,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL\SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 440 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 136 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 440 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 766 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 2540 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

RIGGER

RIGGER SAFETY TRAINING	Level: 2 Hours: Type: TRADE THEORY NUS-TRAINING CORPORATION
RIGGER SAFETY TRAINING	Level: 2 Hours: Type: ACADEMIC ICS-INTEXT
CRANE & RIGGING SAFETY CONSID.	Level: 2/3 Hours: Type: ACADEMIC & TRADE THEORY BOB DEBENEDICTIS, INC.

DIRECTORY OF COURSES

SHEETMETAL MECHANIC

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
SHEETMETAL: BASIC	Level: 1 Hours: 160 Type: TRADE THEORY SAN DIEGO TECHNICAL INSTITUTE
2935-07	Level: 1 Hours: Type: ACADEMIC HARBOR OCCUPATIONAL CENTER
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 520 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE

DIRECTORY OF COURSES

SHEETMETAL MECHANIC

APPRENTICESHIP	Level: 1 Hours: 32 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRE-EMPLOYMENT	Level: 1 Hours: 200 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
ORIENTATION	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SAFETY	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NOMENCLATURE/SHIP TERMS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
METALS & THEIR PROPERTIES	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
HAND TOOLS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

DIRECTORY OF COURSES

SHEETMETAL MECHANIC

SHEETMETAL FASTNERS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
MACHINES USED IN SHEETMETAL	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BEND ALLOWENCE	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SEAMS & ALLOWENCES	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
SOLDERING	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
BLUEPRINT READING	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
INTRO TO ELEMENTARY LAYOUT	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
NUMERICAL CONTROL PROGRAMMING	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD

_ DIRECTORY OF COURSES _

SHEETMETAL
MECHANIC

SHIPS VENTILATION SYSTEMS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 560 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 840 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 720 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
FABRICATION & LAYOUT	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
BLUEPRINT READING	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
ADVANCED SHEETMETAL	Level: 2 Hours: 26 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY
VISUAL INSPECTION	Level: 3 Hours: 12 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

SHIPFITTER

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
SHIPFITTING: BASIC	Level: 1 Hours: 200 Type: TRADE THEORY SAN DIEGO TECHNICAL INSTITUTE
2935-07	Level: 1 Hours: Type: ACADEMIC HARBOR OCCUPATIONAL CENTER
SHIPFITTER LEARNER TRAINING	Level: 1 Hours: Type: TRADE THEORY BAKER MARINE CORP.
SHIPFITTER	Level: 1 Hours: 520 Type: TRADE THEORY R.E. DERECKTOR OF R.I., INC.
SHIPFITTERS	Level: 1 Hours: Type: TRADE THEORY TODD PACIFIC SHIPYARDS/LOS ANGELES
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
URNING CLASS	Level: 1 Hours: 24 Type: TRADE THEORY PETERSON BUILDERS, INC.

DIRECTORY OF COURSES

SHIPFITTER

TACKING/WELDING CLASS	Level: 1 Hours: 24 Type: TRADE THEORY PETERSON BUILDERS, INC.
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 6,000 Type: ACADEMIC & TRADE THEORY BATH IRON WORKS CORPORATION
APPRENTICESHIP	Level: 1 Hours: 560 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 132 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 432 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
ON THE JOB TRAINING	Level: 1 Hours: 440 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

SHIPFITTER

PRE-EMPLOYMENT	Level: 1 Hours: 240 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 560 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1,000 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1080 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD
SHIPFITTER TRAINING COURSE	Level: 1/2 Hours: 96 Type: ACADEMIC & TRADE THEORY ALABAMA MARITIME CORPORATION
SHIPFITTING	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
BULEPRINT READING	Level: 1/2 Hours: 90 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
LIFTING AND HANDLING	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

SHIPFITTER

CONDOR LIFT	Level: 1/2 Hours: 3 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
TRIDENT REF. DIMEN.	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
STUD WELDING	Level: 1/2 Hours: 8 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
QUALITY ASSURANCE REVIEW	Level: 1/2/3 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
SHIPFITTING 405	Level: 2 Hours: 450 Type: TRADE THEORY SAN DIEGO CITY COLLEGE
FITTING	Level: 2 Hours: 40 Type: ACADEMIC & TRADE THEORY HBC BARGE, INC.
BLUEPRINT READING	Level: 2 Hours: 20 Type: TRADE THEORY JEFFBOAT, INC.
BLUEPRINT READING	Level: 2 Hours: 52 Type: TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT

DIRECTORY OF COURSES

SHIPFITTER

LOCKWIRE PROCEDURES	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
LEVEL 1 MATERIAL	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
PRACTICAL FACTORS RADCON	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
YEARLY REFRESHERS	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
HOLE ALIGNMENT	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT
TOOL USAGE	Level: 2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
WATER LEVELS	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CAL SYSTEM	Level: 2 Hours: 2 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

SHIPFITTER

PAPERWORK

Level: 2
Hours: 2
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

POST EMPLOYMENT

Level: 2
Hours: 40
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

SHIPWRIGHT

SHIPS NOMENCLATURE	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
ALLIED TRAINING (CARPENTER)	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
STAGE (SCAFFOLD) BUILDING	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
DRYDOCK PREPARATION	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
OPTICAL ALIGNMENT EQUIPMENT	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
CARE AND USE OF HANDTOOLS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
WOODEN DECKS AND FOUNDATIONS	Level: 1 Hours: Type: TRADE THEORY PHILADELPHIA NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 440 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE

DIRECTORY OF COURSES

SHIPWRIGHT

APPRENTICESHIP	Level: 1 Hours: 116 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 440 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 740 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 1700 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

TACKER/
BURNER

PROTECTION OF PIPE & COMPONENT Level: 2
Hours: 2
Type: TRADE THEORY
GENERAL DYNAMICS/ELECTRIC BOAT

DIRECTORY OF COURSES

WELDER

APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY NEWPORT NEWS SHIPBUILDING
ARC WELDING FITTING	Level: 1 Hours: 200 Type: TRADE THEORY SAN DIEGO TECHNICAL INSTITUTE
APPRENTICESHIP	Level: 1 Hours: 2000 Type: ACADEMIC & TRADE THEORY HBC BARGE, INC.
WELDING	Level: 1 Hours: Type: TRADE THEORY TODD PACIFIC SHIPYARDS/LOS ANGELES
APPRENTICESHIP	Level: 1 Hours: 8,000 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/QUINCY
APPRENTICESHIP	Level: 1 Hours: 6,144 Type: TRADE THEORY INGALLS SHIPBUILDING DIVISION
QUALIFICATIONS TRAINING	Level: 1 Hours: 24 Type: TRADE THEORY PETERSON BUILDERS, INC.
WELDING	Level: 1 Hours: 280 Type: TRADE THEORY NATIONAL STEEL & SHIPBUILDING COMPANY

DIRECTORY OF COURSES

WELDER

APPRENTICESHIP	Level: 1 Hours: 4,000 Type: ACADEMIC & TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
APPRENTICESHIP	Level: 1 Hours: 400 Type: ACADEMIC TRIDENT TECHNICAL COLLEGE
APPRENTICESHIP	Level: 1 Hours: 176 Type: TRADE THEORY CHARLESTON NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 144 Type: ACADEMIC & TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
ON THE JOB TRAINING	Level: 1 Hours: 480 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
APPRENTICESHIP	Level: 1 Hours: 504 Type: TRADE THEORY PEARL HARBOR NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 824 Type: ACADEMIC & TRADE THEORY PORTSMOUTH NAVAL SHIPYARD
APPRENTICESHIP	Level: 1 Hours: 920 Type: ACADEMIC & TRADE THEORY LONG BEACH NAVAL SHIPYARD

DIRECTORY OF COURSES

WELDER

COMB/WELDER	Level: 1/2 Hours: 1040 Type: ACADEMIC & TRADE THEORY SAN DIEGO CITY COLLEGE
WELDING COURSE I	Level: 1/2 Hours: Type Not Indicated SO.WESTERN OREGON COMMUNITY COLLEGE
UPGRADING & CERT. OF WELDERS	Level: 1/2 Hours: Type: TRADE THEORY ALABAMA INSTITUTE DEV. TRAINING INST.
BASIC WELDING	Level: 1/2 Hours: 320 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
SEMI AUTOMATIC WELDING	Level: 1/2 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
AUTOMATIC WELDING	Level: 1/2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/QUINCY
WELDING	Level: 1/2 Hours: 225 Type: TRADE THEORY FLORIDA JUNIOR COLLEGE - JACKSONVILLE
PRE-HEAT	Level: 1/2 Hours: 4 Type: TRADE THEORY GENERAL DYNAMICS\ELECTRIC BOAT

DIRECTORY OF COURSES

WELDER

MACHINE BREAKDOWN	Level: 1/2 Hours: 16 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CERAMIC TILE (PULSE)	Level: 1/2 Hours: 40 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
CERAMIC TILE (SMAW)	Level: 1/2 Hours: 32 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FLUX CORE, NON-NUCLEAR	Level: 1/2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
FLUX CORE, NUCLEAR	Level: 1/2 Hours: 80 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GNAW MACHINE SPRAY	Level: 1/2 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
GMAW MACHINE PULSE	Level: 1/2 Hours: 120 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT
COMB WELDING	Level: 2 Hours: 600+ Type: TRADE THEORY CENTRE CITY SKILL CENTER

DIRECTORY OF COURSES

WELDER

ALUMINUM WELDING	Level: 2 Hours: 30 Type: TRADE THEORY ST. PAUL AREA VOCATIONAL TECH. INST.
WELDING	Level: 2 Hours: 40 Type: TRADE THEORY HBC BARGE, INC.
WELDER	Level: 2 Hours: 60 Type: TRADE THEORY JEFFBOAT, INC.
WELDER	Level: 2 Hours: Type: TRADE THEORY DRAVO CORPORATION
RECALL/REFRESHER	Level: 2 Hours: 8 Type: TRADE THEORY BETHLEHEM STEEL/SPARROWS POINT
UPGRADING	Level: 2 Hours: Type: TRADE THEORY BETHLEHEM STEEL\SPARROWS POINT
BRAZING	Level: 2 Hours: 32 Type: TRADE THEORY GENERAL DYNAMICS/ELECTRIC BOAT

SECTION B

DIRECTORY OF TRAINING AIDS

A List of Resources Available
For Skilled Trades Training

December 1983

SECTION B
DIRECTORY OF TRAINING AIDS

This directory contains information on training aids which supplement skilled trades training courses for 20 trades, including those offered to "All Trades".

Information about each training aid is displayed in the following format:

TITLE	TYPE OF TRAINING AID LEVEL OF TRAINING	SOURCE OF TRAINING AID
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Training aids are listed according to trade name in alphabetical order, as found at the top of each page. The index on the next page provides the reader with the page number on which each trade begins.

Within each trade, information is indexed according to the type of training aid, in the following order:

- Article
- Book
- Charts/Posters
- Manual
- Movie
- Slides
- Videotapes
- Workbook

The level of training is:

- 1 = Apprentice
- 2 = Mechanic
- 3 = Manager

Definitions for these three levels, as well as for the trades, can be found on pages i-iv of this document.

Contact information for the source of the training aids can be found in Section C, Part 1 "List of Participating Shipyards" if it is a shipyard source, or in section C, Part 3 "List of Sources for Training Aids".

DIRECTORY OF TRAINING AIDS

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DIRECTORY OF TRAINING AIDS

ALL TRADES

WEEKLY SAFETY TIPS OFFICE SAFETY & HEALTH ADMINISTRATION	BOOK LEVEL: 2/3
BACK OWNER'S MANUAL PATIENT INFORMATION MANUAL	BOOK LEVEL: 1/2/3
MERCHANT SHIP CONSTRUCTION BROWN, SON & FERGUSON, LTD.	BOOK LEVEL: 1/2/3
SHIP DESIGN & CONSTRUCTION SNAME	BOOK LEVEL: 1/2/3
SHIP & AIRCRAFT FAIRING & DEV CORNELL MARITIME PRESS	BOOK LEVEL: 1/2/3
ENGINEERING DRAWING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2/3
SHIPFITTING HANDBOOK GENERAL DYNAMICS/QUINCY	BOOK LEVEL: 1/2/3
NATL SHIPBLDG RESEARCH PROG REPORTS MARITIME ADMINISTRATION	BOOK LEVEL: 1/2/3
MACHINE TOOL OPERATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2/3

DIRECTORY OF TRAINING AIDS

ALL TRADES

MODERN SHOP PRACTICES AMERICAN TECHNICAL SOCIETY	BOOK LEVEL: 1/2/3
INTRO TO STEEL SHIPBUILDING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
PRACTICAL MATHEMATICS AUTHOR: PALMER, BIBB, JARVIS & MRACHEK	BOOK LEVEL: 1
MATHEMATICS - A BASIC COURSE CAMBRIDGE BOOK COMPANY	BOOK LEVEL: 1
BASIC INDUSTRIAL MATH MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
MATHEMATICS FOR TECH & VOC SCHOOLS JOHN WILEY & SONS, INC.	BOOK LEVEL: 1
PRACTICAL MATHEMATICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
MATHEMATICS, VOLUME I NAVPERS 10069-C	BOOK LEVEL: 1
INTRO TO TECHNICAL MATHEMATICS CUMMINGS PUBLISHING COMPANY	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

MATHEMATICS FOR MACHINE TECHNOLOGY DELMAR PUBLISHERS	BOOK LEVEL: 1
WRITING FOR OCCUPATIONAL EDUCATION CANFIELD PRESS	BOOK LEVEL: 1
BETTER ENGLISH MADE EASY POPULAR LIBRARY	BOOK LEVEL: 1
ENGLISH 2600 HARCOURT, BRACE, JOVANOVIH, INC.	BOOK LEVEL: 1
HARBRACE COLLEGE HANDBOOK HARCOURT, BRACE, JOVANOVIH, INC.	BOOK LEVEL: 1
WEBSTER'S NEW WORLD DICTIONARY THE WORLD PUBLISHING COMPANY	BOOK LEVEL: 1
PRINCIPLES OF SPEECH & COMMUNICATION SCOTT, FORESMAN AND COMPANY	BOOK LEVEL: 1
INTRODUCTORY APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC MACHINES NAVPERS 10624-A	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

ELEMENTARY METALLURGY DOVER PUBLICATIONS, INC.	BOOK LEVEL: 1
BASIC BLUEPRINT READING & SKETCHING DELMAR PUBLISHERS	BOOK LEVEL: 1
MECHANICAL DRAWING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BLUEPRINT READING & SKETCHING NAVPERS 10077-D	BOOK LEVEL: 1
SIZE AND FORMAT AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: 1 INC
LINE CONVENTIONS, SECTIONING, LETTE AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: 1 INC
PROJECTIONS AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: 1 INC
PICTORIAL DRAWING AMERICAN NATIONAL STANDARDS INSTITUTE,	BOOK LEVEL: 1 INC
DIMENSIONING & TOLERANCING (ENGR)	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC

DIRECTORY OF TRAINING AIDS

ALL TRADES

SCREW THREADS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
GEARS, SPLINES AND SERRATIONS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
GEAR DRAWING STANDARDS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
FORGINGS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
METAL STAMPINGS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
PLASTICS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
MECHANICAL ASSEMBLIES	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
ELECTRICAL & ELECTRONICS DIAGRAMS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
INTERCONNECTION DIAGRAMS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	

DIRECTORY OF TRAINING AIDS

ALL TRADES

FLUID POWER DIAGRAMS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
GRAPHIC SYMBOLS (ELECTRICAL DIAGRAM)	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
GRAPHIC ELECTRICAL WIRING SYMBOLS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
UNIFIED SCREW THREADS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
SQUARE AND HEX BOLTS AND SCREWS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
SQUARE AND HEX NUTS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
SOCKET CAP, SHOULDER AND SET SCREWS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
SLOTTED HEAD CAP SCREWS, SQUARE HEAD	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC
MACHINE SCREWS & SCREW NUTS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE,	INC

DIRECTORY OF TRAINING AIDS

ALL TRADES

WOODRUFF KEY AND KEYSLOT DIMENSIONS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
KEYS AND KEYSETS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
LOCK WASHERS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
PLAIN WASHERS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
SURFACE TEXTURE	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
MECHANICAL DRAWING	BOOK LEVEL: 1
MCGRAW-HILL BOOK COMPANY	
INTERPRETING ENGINEERING DRAWINGS	BOOK LEVEL: 1
DELMAR PUBLISHERS	
PRACTICES FOR RESPIRATORS	BOOK LEVEL: 1
AMERICAN NATIONAL STANDARDS INSTITUTE, INC	
MODERN SHIP DESIGN	BOOK LEVEL: 1
NAVAL INSTITUTE PRESS	

DIRECTORY OF TRAINING AIDS

ALL TRADES

PRACTICAL MATHEMATICS, 6TH ED. AUTHOR: PALMER, BIBB, JARVIS & MARCHEK	BOOK LEVEL: 1
METALLURGY, 5TH ED. AUTHOR: JOHNSON & WEEKS	BOOK LEVEL: 1
INTRODUCTION TO APPLIED PHYSICS AUTHOR: HARRIS & HEMMERLING	BOOK LEVEL: 1
STRENGTH OF MATERIALS, 3RD ED. AUTHOR: BRENNEMAN	BOOK LEVEL: 1
ELEMENTS OF MACHINE DESIGN AUTHOR: ROSENTHAL & BISCHOF	BOOK LEVEL: 1
WRITING SKILLS FOR TECH STUDENTS DELAWARE TECHNICAL & COMMUNITY COLLEGE	BOOK LEVEL: 1
HUMAN BEHAVIOR NAVEDTR 016-01-69-80	BOOK LEVEL: 1
INTERPRETING ENGINEERING DRAWINGS AUTHOR: JENSEN & HINES	BOOK LEVEL: 1
MECHANICAL DRAWING, 9TH ED. MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

ELEM MATH FOR THE TECHNICIAN MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
PLANE TRIGONOMETRY MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
INTRO TO STEEL SHIPBUILDING MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
LABOR - MANAGEMENT RELATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
STRENGTH OF MATERIALS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
INTERMEDIATE ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
HOW TO SOLVE WORD PROB IN ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
WEBSTER'S NEW COLLEGIATE DICTIONARY G. & C. MERRIAM COMPANY	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

DESCRIPTIVE GEOMETRY ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL: 1
PRACTICALLY SPEAKING IN BUSINESS ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL: 1
WRITING FOR RESULTS, PRINCIPLES & ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL: 1
TECHNICAL DRAWING, 7TH ED. MACMILLAN PUBLISHING COMPANY	BOOK LEVEL: 1
ESSENTIALS OF MATHEMATICS JOHN WILEY & SONS, INC.	BOOK LEVEL: 1
PHYSICS FOR CAREER EDUCATION PRENTICE-HALL, INC.	BOOK LEVEL: 1
ENGLISH SKILLS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC TECHNICAL DRAWING MACMILLAN PUBLISHING COMPANY	BOOK LEVEL: 1
PRACTICAL TA IN MANAGEMENT ADDISON-WESLEY PUBLICATIONS, INC.	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

PRAC. FOR RESPIRATORY PROTECTION AMERICAN NATIONAL STANDARDS INSTITUTE, INC	MANUAL LEVEL: 2/3
AERIAL LIFTS: OPER. & SAFETY MANUALS MARR SCAFFOLDING	MANUAL LEVEL: 2
TIME MANAGEMENT HAWAII EDUCATIONAL COUNCIL	MANUAL LEVEL: 3
DANGER ZONE: YOUR BACK VISUCOM	MOVIE LEVEL: 1/2/3
NEW BREATH OF LIFE PYRAMID FILMS	MOVIE LEVEL: 1/2/3
MULTIMEDIA STANDARD FIRST AID AMERICAN RED CROSS SOCIETY	MOVIE LEVEL: 1/2/3
PRODUCTION OF COPPER CHARLESTON NAVAL SHIPYARD	MOVIE LEVEL: 1
PRODUCTION OF STEEL CHARLESTON NAVAL SHIPYARD	MOVIE LEVEL: 1
HOW TO ELIMINATE & CONTROL ABSENTEE BUREAU OF BUSINESS PRACTICES	MOVIE LEVEL: 3

DIRECTORY OF TRAINING AIDS

ALL TRADES

AVOIDING COMMUNICATION BREAKDOWN BNA	MOVIE LEVEL: 3
THIS MATTER OF MOTIVATION DARTNELL CORP.	MOVIE LEVEL: 3
THE LAST ROUND JOURNAL FILMS, INC.	MOVIE LEVEL: 3
MEANINGS ARE IN PEOPLE BNA	MOVIE LEVEL: 3
KNOWING YOUR EMPLOYEES INDV DIFFERE AMERICAN MANAGEMENT ASSOCIATION	MOVIE LEVEL: 3
DELEGATING BRM - MCGRAW-HILL FILMS	MOVIE LEVEL: 3
A PERFECTLY NORMAL DAY CALLY-CURTIS COMPANY	MOVIE LEVEL: 3
THE TIME OF YOUR LIFE CALLY-CURTIS COMPANY	MOVIE LEVEL: 3
SHIPBUILDING TECHNOLOGY TRANSFER AVMAST	MOVIE LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

SHIPBUILDING TODAY AVMAST	MOVIE LEVEL: 1
REAPS (RSCH & ENGR FOR AUTO/PROD) AVMAST	MOVIE LEVEL: 1
NATIONAL SHIPBUILDING RESEARCH PROG AVMAST	MOVIE LEVEL: 1
THE APPRENTICE EXPERIENCE NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
SHIPBUILDING . . . TRADES THAT MAKE IT NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
I CHRISTEN THEE... NEWPORT NEWS SHIPBUILDING	MOVIE LEVEL: 1
SKILL AND SOPHISTICATION AVMAST	MOVIE LEVEL: 1
REBIRTH OF A TANKER BETHLEHEM STEEL SHIPYARD	MOVIE LEVEL: 1
CROSS TYPE CONVERSION MITSUBISHI HEAVY INDUSTRIES, INC.	MOVIE LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

MITSUBISHI HEAVY INDUSTRIES	MOVIE
MITSUBISHI HEAVY INDUSTRIES, INC.	LEVEL: 1
TOKYO MARU	MOVIE
AVMAST	LEVEL: 1
TO BUILD GIGANTIC SHIPS	MOVIE
AVMAST	LEVEL: 1
SHIPYARD SAFETY	SLIDES
AMERICAN WATERWAYS SHIPYARD CONFERENCE	LEVEL: 2/3
SHIPYARD OVERVIEW	SLIDES
R.E. DERECKTOR OF R.I., INC.	LEVEL: 1
SCAFFOLD SAFETY	SLIDES
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1/2/3
SKYCLIMBER SAFETY	SLIDES
NATIONAL STEEL & SHIPBUILDING COMPANY	LEVEL: 1/2/3
FACTS ON BACKS	SLIDES, VIDEOTAPES
AWS CONFERENCE:SHIPYARD SAFETY TRAINING	LEVEL: 1/2/3
QUALITY CIRCLES	SLIDES, VIDEOTAPES
PRODUCTIVITY DEVELOPMENT SYSTEMS	LEVEL: 1/2/3

DIRECTORY OF TRAINING AIDS

ALL TRADES

MANAGEMENT DEVELOPMENT BATH IRON WORKS CORPORATION	SLIDES, MOVIE , VIDEO LEVEL: 3
THE APPRENTICE EXPERIENCE NEWPORT NEWS SHIPBUILDING	VIDEOTAPE LEVEL: 1
INDUSTRIAL WEIGHTLIFTER II INTERNATIONAL FILM BUREAU	VIDEOTAPE LEVEL: 1/2/3
NEW PULSE OF LIFE LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
DON'T PUSH YOUR LUCK LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
THE SOUND OF SOUND LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
COLOR OF DANGER LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
ANATOMY OF A GRIEVANCE LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
DELIBERATE MALPRACTICE LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1

DIRECTORY OF TRAINING AIDS

ALL TRADES

TRAINING FOR READINESS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
ASBESTOS-AN INTRO FOR NEW EMPLOYEES	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
THE LIMITED ASBESTOS WORKER	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
ONLY NUMBER ONE	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
ARBITRATION OF A GRIEVANCE	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
SUPERVISION	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
DRUG ABUSE	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
LABOR MANAGEMENT RELATIONS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
SAFETY & HEALTH	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	

DIRECTORY OF TRAINING AIDS

ALL TRADES

ZAP: STATIC AWARENESS LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
WOMEN MOVING UP LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
SUBMARINE DOCKING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
SHIP NOMENCLATURE LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
SHIPYARD SIGNS & SYMBOLS LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
A CALL TO ARMS NASHUA CORPORATION	VIDEOTAPE LEVEL: 1
MACHINE TOOL OPERATION MCGRAW-HILL BOOK COMPANY	WORKBOOK LEVEL: 1/2/3
BUSINESS ENGLISH ESSENTIALS, 6TH ED MCGRAW-HILL BOOK COMPANY	WORKBOOK LEVEL: 1
BASIC MATH SKILLS - A WORKBOOK MCGRAW-HILL BOOK COMPANY	WORKBOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

BOILERMAKER

STEEL SHIPBUILDING	BOOK LEVEL: 1
JACKSON COUNTY JUNIOR COLLEGE	
METALLURGY	BOOK LEVEL: 1
JACKSON COUNTY JUNIOR COLLEGE	
FIREMAN	BOOK LEVEL: 1
NAVPERS 10520-C	
BOILERMAKER 1 & C	BOOK LEVEL: 1
NAVPERS 10537	
BOILER TECHNICIAN 3 & 2	BOOK LEVEL: 1
NAVPERS 10535-5	
SHEETMETAL PATTERN DRAFTING PROBLEM	BOOK LEVEL: 1
CHARLES A. BENNETT CO., INC.	
MECHANICAL MAINT TRAINING: BOILERS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
MECHANICAL MAINT TRAINING: BOILERS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
HYDROSTATIC TESTING OF BOILERS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	

DIRECTORY OF TRAINING AIDS

BOILERMAKER

BASIC TECHNICAL DRAWING

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

BULEPRINT READING FOR SHIPFITTERS

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

DIRECTORY OF TRAINING AIDS

CARPENTER

WOODWORKING FOR INDUSTRY CHARLES A. BENNETT CO., INC.	BOOK/WORKBOOK LEVEL: 1
DEVELOPED IN-HOUSE R.E. DERECKTOR OF R.I., INC.	SLIDES LEVEL: 1
BASIC TECHNICAL DRAWING INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
BLUEPRINT READING FOR CARPENTERS INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
CARPENTRY I INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
CARPENTRY II INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
CARPENTRY III INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

BASIC ELECTRICITY & MARINE APPL HADEN BOOK COMPANY	BOOK LEVEL: 1
COMB CIRCUITS, MAGNETISM, & AC THEOR HADEN BOOK COMPANY	BOOK LEVEL: 1
AC THEORY, METERS & BATTERIES HADEN BOOK COMPANY	BOOK LEVEL: 1
MOTORS, GENERATORS & ALTERNATORS HADEN BOOK COMPANY	BOOK LEVEL: 1
ELEC MOTOR CONTROL & BASIC ELECTRON JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL: 1
ADV ELECTRONICS & STATIC MOTOR CONT JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL: 1
ELECTRICITY ONE-SEVEN LIBRARY OF CONGRESS: GENERAL SERV. ADMIN.	BOOK LEVEL: 1
ELECTRICITY ONE-SEVEN HAYDON BOOK COMPANY	BOOK LEVEL: 2
RELATED INFO: ELECTRICITY VOL I - IV DELMAR PUBLISHERS	BOOK LEVEL: 1/2/3

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

ELECTRICAL ENGINEERING VOL I & II DAWES	BOOK LEVEL: 1/2/3
ELECTRICAL INFORMATION HANDBOOK PUGET SOUND NAVAL SHIPYARD	BOOK LEVEL: 1
BASIC ELECTRICITY NAVPERS 10086-B	BOOK LEVEL: 1
BASIC ELECTRONICS NAVPERS 10087-C	BOOK LEVEL: 1
BASIC MATHEMATICS FOR ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
ELECTRICIAN'S MATE 3 & 2 NAVEDTRA 10546-D	BOOK LEVEL: 1
SHIPBOARD ELECTRICAL SYSTEMS NAVPERS 10864-C	BOOK LEVEL: 1
HAMPDEN LABORATORY MANUALS HAMPDEN LABORATORY	BOOK LEVEL: 1
CIRCUIT CONCEPTS: AC & DC AUTHOR: T.S. KUBULA	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

SOLID STATE ELECTRONICS AUTHOR: TEDESCHI AND TABER	BOOK LEVEL: 1
PULSE AND LOGIC CIRCUITS DELMAR PUBLISHERS	BOOK LEVEL: 1
ESSENTIALS-ELECTRICITY/ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
INTRODUCTORY APPLIED PHYSICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
APPLIED AND INDUSTRIAL ELECTRONICS HALL, BRODHEAD-GARRETT COMPANY	BOOK LEVEL: 1
ALTERNATING CURRENT FUNDAMENTALS DELMAR PUBLISHERS	BOOK LEVEL: 1
SYNCHROS NAVORD OP 1303	BOOK LEVEL: 1
FIRE MARSHALL/GAS ENGINEERS MANUAL CNSYDINST P5100 & CNSYDINST P5100.43	BOOK LEVEL: 1
ELECTRONIC CIRCUITS/SYSTEMS/SUPPLEM CTI EDUCATION PRODUCTS	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

ESSENTIALS OF COMMUNICATIONS ELECTR	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
RADAR ELECTRONICS FUNDAMENTALS	BOOK
NAVSHIPS 900,016	LEVEL: 1
RADAR SYSTEM FUNDAMENTALS	BOOK
NAVSHIPS 900,017	LEVEL: 1
ELECTRONIC COMMUNICATION	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
FUNDAMENTALS OF ELECTRONICS	BOOK
AIR FORCE MANUAL 101-8	LEVEL: 1
DIGITAL ELECTRONICS	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
ACTIVES MANUAL FOR DIGITAL ELECTRON	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
TEACHER'S MANUAL FOR DIGITAL ELECTR	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
BASIC ELECTRICITY	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

ELECTRICIAL MACHINES: AC & DC MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
ELECTRICITY (PRINCIPLES & APPL) MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
ELECTRONICS (PRINCIPLES & APPL) MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
ELECTRICIAL WIRING RESIDENTIAL DELMAR PUBLISHERS	BOOK LEVEL: 1
ELECTRIC MOTOR CONTROL DELMAR PUBLISHERS	BOOK LEVEL: 1
NATIONAL ELECTRICAL CODE NATIONAL FIRE PROTECTION ASSOCIATION	BOOK LEVEL: 1
PLANT ELECTRICAL MAINTANENCE ICS-INTEXT	BOOK/WORKBOOK LEVEL: 1
CURRENT FLOW: WHAT IT IS NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1
WHAT CAUSES CURRENT FLOW NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

HOW MAGNETS PRODUCE ELECTRICITY	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
ELECTRON THEORY	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
WIRES, SIZES & VOLTAGE	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
DEFINITION & ANALYSIS OF AC	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
AC SERIES CIRCUITS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
AC PARALLEL CIRCUITS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
BASIC ELECTRICITY CAPACITANCE	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
BASIC ELECTRICITY: DC METERS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
DC MOTORS: THEORY OF OPERATION	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	

DIRECTORY OF TRAINING AIDS

ELECTRICIAN

SPLIT PHASE MOTOR	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
MOTORS & GENERATORS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
DC CURRENT GENERATORS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
INDUCTANCE IN AC CIRCUITS	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
PULLING & INSTALLING CABLE	MOVIE LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
SHIPBOARD INSTALL. OF WIREWAYS	SLIDES LEVEL: 1
NATIONAL STEEL & SHIPBUILDING COMPANY	
ELECTRICIAN	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
VARIOUS ELEC EQUIP:CNTRL & MOTORS	WORKBOOK LEVEL: 2
HAYDON BOOK COMPANY	

DIRECTORY OF TRAINING AIDS

ELECTRICIAN
(INSIDE)

ELECTRICITY ONE-SEVEN

HAYDON BOOK COMPANY

BOOK
LEVEL: 2

PLANT ELECTRICAL MAINTANENCE

ICS-INTEXT

BOOK/WORKBOOK
LEVEL: 1

VARIOUS ELEC EQUIP:CNTRL & MOTORS

HAYDON BOOK COMPANY

WORKBOOK
LEVEL: 2

DIRECTORY OF TRAINING AIDS

ELECTRONIC
MECHANIC

DIGITAL COMPUTER PRINCIPLES MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
BINARY ARITHMETIC & BOOLEAN ALGEBRA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
DIGITAL COMPUTER BASICS NAVTRA 10088-A	BOOK LEVEL: 1/2
BOOLEAN ALGEBRA NAVPERS 92901	BOOK LEVEL: 1/2
BI-TRAN SIX TECHNICAL OPS MANUAL FABRI-TEK, INC.	BOOK LEVEL: 1/2
DIGITAL PRINCIPLES & APPLICATIONS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
DIGITAL TROUBLE SHOOTING AUTHOR: GASPERINI, MOVONICS	BOOK LEVEL: 1/2
DIGITAL COMPUTER FUNDAMENTALS UNIVAC	BOOK LEVEL: 1/2
LOGI-TRAN DEMO BOARD WORKBOOK FABRI-TEK, INC.	BOOK LEVEL: 1/2

DIRECTORY OF TRAINING AIDS

ELECTRONIC
MECHANIC

TOOLS & THEIR USES NAVPERS 10085-B	BOOK LEVEL: 1
BASIC ELECTRONICS VOL. I & II NAVPERS 10087-C & 10087-C1	BOOK LEVEL: 1
MATHEMATICS VOL. I NAVEDTRE 10069-D	BOOK LEVEL: 1
MATHEMATICS, VOL. II NAVPERS 10071-B	BOOK LEVEL: 1
MATHEMATICS, VOL. III NAVPERS 10073-A	BOOK LEVEL: 1
BASIC MATHEMATICS FOR ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC ELECTRONICS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
BASIC ELECTRONICS, 2nd ED. RESTON PUBLISHERS	BOOK LEVEL: 1
BASIC ELECTRONICS FOR ENGR. TECH. PRENTICE-HALL PUBLISHERS	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTRONIC
MECHANIC

ELECTRONIC CIRCUIT ANALYSIS VOL. I
MCGRAW-HILL BOOK COMPANY

BOOK
LEVEL: 1

TRANSISTOR CIRCUIT DESIGN & ANALYSI
CRC PRESS

BOOK
LEVEL: 1

ELECTRONICS MECHANIC
LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

ELECTROPLATER

ELECTROPLATING

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

ELECTROPLATING (CHROMIUM)

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

INSULATOR

SHEETMETAL PATTERN DRAFTING PROBLEM
CHARLES A. BENNETT CO., INC.

BOOK
LEVEL: 1

INSULATOR
LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

LOFTSMAN

BASIC ALKON

SHIPPING RESEARCH SERVICES

BOOK/TRANSPARENCIES
LEVEL: 1

DIRECTORY OF TRAINING AIDS

MACHINIST

TOOLS AND THEIR USES NAVPERS 10085-B	BOOK LEVEL: 1
SHOP THEORY, SIXTH ED. MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
SHOP THEORY, 6TH ED. MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
ELEM BLUEPRINT READING, MACHINE SHOP DELMAR PUBLISHERS	BOOK LEVEL: 1
INTERMED BLUEPRINT READING FOR MACH DELMAR PUBLISHERS	BOOK LEVEL: 1
BLEUPRINT READING FOR INDUSTRY THE GOODHEART-WILCOX COMPANY	BOOK/MOVIE/VIDEOTAPE LEVEL: 1
TURNING TECH MACHINERY'S HANDBOOK INDUSTRIAL PRESS, INCORPORATED	BOOK/MOVIE/VIDEOTAPE LEVEL: 1
TECHNOLOGY OF MACHINE TOOLS MCGRAW-HILL/GREGG DIVISION	BOOK/MOVIE/VIDEOTAPE LEVEL: 1
MODERN MARINE ENGINEERING MANUAL CORNELL MARITIME PRESS	MANUAL LEVEL: 1

DIRECTORY OF TRAINING AIDS

MACHINIST

FRAME BENDER	MOVIE LEVEL: 1
NAVAL OCEAN SYSTEMS COMMAND & NASSCO	
MACHINIST	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
SHAFT ALINGMENT	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
VALVE SEAT REPAIR	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
BABBIT SLEEVE BEARINGS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
POURING SPELTERED SOCKETS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
MACHINE TECHNOLOGY	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
STUFFING TUBES	VIDEOTAPES LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
BLUEPRINT READING FOR MACHINIST	WORKBOOK LEVEL: 1
INGALLS SHIPBUILDING DIVISION	

DIRECTORY OF TRAINING AIDS

MACHINIST

MACHINE SHOP

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

MARINE ENGINEERING

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

DIRECTORY OF TRAINING AIDS

MACHINIST
(OUTSIDE)

MODERN MARINE ENGINEERING MANUAL
CORNELL MARITIME PRESS

MANUAL
LEVEL: 1

DIRECTORY OF TRAINING AIDS

MOLDER

PRINCIPLES OF METAL CASTING

AMERICAN FOUNDRYMENS SOCIETY

BOOK
LEVEL: 1

DIRECTORY OF TRAINING AIDS

ORDNANCE EQUIP.
MECHANIC

FIRE CONTROL

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

PAINTER

APPL. MAN. FOR PAINT & PROTECTIVE MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
AUTO BODY REPAIRING & REPAINTING GOODHEART-WILLCOX, INC.	BOOK LEVEL: 1
BENCH WOODWORK CHARLES A. BENNETT CO., INC.	BOOK LEVEL: 1
COLORING, FINISHING & PAINTING WOOD CHARLES A. BENNETT CO., INC.	BOOK LEVEL: 1
CORROSION CONTROL PRINCP. & METHODS AMERON CORROSION CONTROL DIVISION	BOOK LEVEL: 1
FINISHING MATERIALS & METHODS MCKNIGHT & MCKNIGHT	BOOK LEVEL: 1
FURNITURE REPAIR & REFINISHING RESTON PUBLISHING CO., INC.	BOOK LEVEL: 1
GUIDENCE MANUAL NAT'L JOINT PAINTING, DECOR. APPR. TRAIN.	BOOK LEVEL: 1
HANDBOOK OF SURFACE PREPARATION PALMERTON PUBLISHING CO., INC.	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

PAINTER

HOBBY & CRAFT GUIDE TO AIR BRUSHING BADGER AIR BRUSH CO.	BOOK LEVEL: 1
HOME PAINT BOOK GALAHAD BOOKS	BOOK LEVEL: 1
INTERIOR PAINTING, WALLPAPERING RESTON PUBLISHING CO., INC.	BOOK LEVEL: 1
MARINE COATING TECHNOLOGY TRACOR, INC.	BOOK LEVEL: 1
MARINE FOULING & IT'S PREVENTION UNITED STATES NAVAL INSTITUTE	BOOK LEVEL: 1
MATHEMATICS FOR PAINTING TRADES DELMAR PUBLISHERS, INC.	BOOK LEVEL: 1
MODERN CARPENTRY GOODHEART-WILLCOX, INC.	BOOK LEVEL: 1
ORGANIC COATINGS, PROP., SEL. & USE UNITED STATES DEPARTMENT OF COMMERCE	BOOK LEVEL: 1
PAINT FILM DEFECTS - CAUSES & CURES REINHOLD PUBLISHING CORP.	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

PAINTER

PAINT FINISHING IN INDUSTRY ROBERT DRAPER, LTD.	BOOK LEVEL: 1
PAINT TECHNOLOGY MANUALS, VOL. I-VI REINHOLD PUBLISHING CORP.	BOOK LEVEL: 1
PAINTING & DECORATING MANUAL/TEXT PAINTING & DECORATING CONTRACTORS OF USA	BOOK LEVEL: 1
PAINTING & DECORATING ENCYCLOPEDIA GOODHEART-WILLCOX, INC.	BOOK LEVEL: 1
PAINTS & COATINGS HANDBOOK STRUCTURES PUBLISHING COMPANY	BOOK LEVEL: 1
PICTORIAL SURFACE PREP. STANDARDS STEEL STRUCTURES PAINTING COUNCIL	BOOK LEVEL: 1
PREPARATION OF METALS FOR PAINTING REINHOLD PUBLISHING CORP.	BOOK LEVEL: 1
PROTECTIVE COATING SYSTEMS MOBIL CHEM. MAINT. & MARINE COATINGS	BOOK LEVEL: 1
DEV. IN ARCHITECTURAL/MAINT. PAINT FED. OF SOCIETIES FOR PAINT TECHNOLOGY	BOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

PAINTER

SCREEN PRINTING	BOOK LEVEL: 1
HUNT MANUFACTURING COMPANY	
STEEL STRUCTURES PAINTING MANUAL	BOOK LEVEL: 1
STEEL STRUCTURES PAINTING COUNCIL	
THE COMPLETE AIRBRUSH BOOK	BOOK LEVEL: 1
WILLIAM PENN PUBLISHING CORP.	
THESAURUS OF PAINT & ALLIED TECH.	BOOK LEVEL: 1
FED. OF SOCIETIES FOR PAINT TECHNOLOGY	
TRAINING FOR PAINTING/DECOR. TRADE	BOOK LEVEL: 1
UNITED STATES DEPARTMENT OF THE INTERIOR	
UNDERSTANDING PAINT	BOOK LEVEL: 1
AMERICAN PAINT JOURNAL COMPANY	
WOOD FINISHING	BOOK LEVEL: 1
CHARLES A. BENNETT CO., INC.	
WOODWORKING FOR INDUSTRY	BOOK LEVEL: 1
CHARLES A. BENNETT CO., INC.	
STANDARD FIRST AID & PERSONAL SAFE	BOOK LEVEL: 1
AMERICAN RED CROSS SOCIETY	

DIRECTORY OF TRAINING AIDS

PAINTER

PAINT & SURFACE PREPARATION

INSTITUTE OF APPLIED TECHNOLOGY

BOOK/SLIDES
LEVEL: 2/3

PAINTER

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

PAINTING

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

PATTERNMAKER

WOODWORKING TECH: JOINT APPLICATIONS
AUTHOR: R.J. DECRISTOFORO

BOOK
LEVEL: 1

CABINETMAKING AND MILLWORK
AUTHOR: JOHN L. FEIRER

BOOK
LEVEL: 1

AUDEL'S CARPENTERS & BUILDERS LIBRY
AUDEL & COMPANY, PUBLISHERS

BOOK
LEVEL: 1

FUNDAMENTALS OF CARPENTRY, 5TH ED.
AUTHOR: WALTER E. DURBAHN

BOOK
LEVEL: 1

DIRECTORY OF TRAINING AIDS

PIPEFITTER

PIPEFITTER & PIPEWELDER HANDBOOK GLENCOE PUBLISHERS	BOOK LEVEL: 1
PIPE MATH JACKSON COUNTY JUNIOR COLLEGE	BOOK LEVEL: 1
AUDEL'S LIBRARY AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL: 2
PIPE TEMPLATE LAYOUT SAN DIEGO TECHNICAL INSTITUTE	BOOK LEVEL: 1
GENERAL MATH, SHOP SAN DIEGO TECHNICAL INSTITUTE	BOOK LEVEL: 1
THE PIPEFITTER'S & WELDER'S HANDBOO BENZIGER, BRUCE & GLENCOE/ INC.	BOOK LEVEL: 1
POSTERS ON PIPE BEVELS & FITTUP LINCOLN WELDING COMPANY	CHARTS/POSTERS LEVEL: 2
PIPEFITTERS HANDBOOK SAN DIEGO TECHNICAL INSTITUTE	MANUAL LEVEL: 1
PIPEFITTER LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1

DIRECTORY OF TRAINING AIDS

PIPEFITTER

PIPE TEMPLATE BENDING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
CLEANLINESS CONTROL ON SHIP PIPING LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
AVONDALE SEMI-AUTOMATED PIPE SHOP AVONDALE SHIPYARDS	VIDEOTAPE LEVEL: 1
BLUEPRINT READING FOR PIPEFITTERS INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
MARINE PIPEFITTING INGALLS SHIPBUILDING DIVISION	WORKBOOK LEVEL: 1
FRANKLIN PIPEFITTERS HANDBOOK BENZIGER, BRUCE & GLENCOE	WORKBOOK LEVEL: 2

DIRECTORY OF TRAINING AIDS

PIPEWELDER

WELDING METALLURGY

AMERICAN WELDING SOCIETY

BOOK
LEVEL: 1

WELDING THEORY & TECHNIQUE

INGALLS SHIPBUILDING DIVISION

MANUAL
LEVEL: 1

WELDING PROCEDURES

INGALLS SHIPBUILDING DIVISION

MANUAL
LEVEL: 1

DIRECTORY OF TRAINING AIDS

RIGGER

RIGGING	BOOK LEVEL: 1
ICS-INTEXT	
CRANE HANDBOOK	BOOK LEVEL: 1
CONSTRUCTION SAFETY ASSN OF ONTARIO	
RIGGING MANUAL	BOOK LEVEL: 1
CONSTRUCTION SAFETY ASSN OF ONTARIO	
CRANE & RIGGING HANDBOOK	BOOK LEVEL: 1/2/3
GENERAL DYNAMICS/QUINCY	
ROSSNAGEL HANDBOOK OF RIGGING	BOOK LEVEL: 1/2
MCGRAW-HILL BOOK COMPANY	
RIGGER TRAINING	VIDEOTAPE LEVEL: 2
NUS TRAINING CORPORATION	
RIGGER	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
RIGGING: REMOVAL OF LARGE SHIP OBJ	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	
BODY ROUND BOLTS	VIDEOTAPE LEVEL: 1
LONG BEACH NAVAL SHIPYARD	

DIRECTORY OF TRAINING AIDS

RIGGER

CRANE SAFETY AND SIGNALS

LONG BEACH NAVAL SHIPYARD

VIDEOTAPE
LEVEL: 1

DIRECTORY OF TRAINING AIDS

SHEETMETAL
MECHANIC

SHEETMETAL SHOP PRACTICES	BOOK LEVEL: 1
AUTHOR: LEO A. MEYER	
SHEETMETAL PATTERN DRAFTING & SHOP	BOOK LEVEL: 1
AUTHOR: DAUGHERTY	
SHEET METAL PATTERN DRAFTING & SHOP	BOOK LEVEL: 1
CHARLES A. BENNETT CO., INC.	
SHEETMETAL PATTERN DRAFTING	BOOK LEVEL: 1
MCGRAW-HILL BOOK COMPANY	
SHEETMETAL SHOP PRACTICE	BOOK LEVEL: 1
AMERICAN TECHNICAL PUBLISHERS, INC.	
SHEETMETAL PATTERN DRAFTING PROBLEM	BOOK LEVEL: 1
CHARLES A. BENNETT CO., INC.	
SHEETMETAL FABRICATION BOOK	BOOK/WORKBOOK LEVEL: 2
NATIONAL STEEL & SHIPBUILDING COMPANY	
BLUEPRINT READING FOR SHEETMETAL	WORKBOOK LEVEL: 1
INGALLS SHIPBUILDING DIVISION	
LAYOUT I	WORKBOOK LEVEL: 1
INGALLS SHIPBUILDING DIVISION	

DIRECTORY OF TRAINING AIDS

SHEETMETAL
MECHANIC

LAYOUT II

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

LAYOUT III

INGALLS SHIPBUILDING DIVISION

WORKBOOK
LEVEL: 1

DIRECTORY OF TRAINING AIDS

SHIPFITTER

THE MOTOR SHIP	ARTICLE
THE QUADRANT SULTON SURVEY	LEVEL: 2
INTRO TO STEEL SHIPBUILDING	BOOK
ALTHOUSE, TURNQUIST, BOUDITCH	LEVEL: 2
PRACTICAL MATH FOR SHIPFITTERS	BOOK
PITMAN PUBLISHERS	LEVEL: 1/2/3
AUDEL'S SHIPFITTER'S HANDY BOOK	BOOK
AUDEL & COMPANY, PUBLISHERS	LEVEL: 1
AN INTRODUCTION TO SHIPFITTING	BOOK
GOVERNMENT PRINTING OFFICE	LEVEL: 1
NOMENCLATURE OF NAVAL VESSELS	BOOK
GOVERNMENT PRINTING OFFICE	LEVEL: 1
SHIPFITTING SIMPLIFIED	BOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1
WORKING, HEAT TREATING & WELDING STEEL	BOOK
JOHN WILEY & SONS, INC.	LEVEL: 1
THE MANU & PROP OF IRON & STEEL	BOOK
HILL PUBLISHING COMPANY	LEVEL: 1

DIRECTORY OF TRAINING AIDS

SHIPFITTER

THE FLEET TYPE SUBMARINE NAVPERS 16160	BOOK LEVEL: 1
SHEETMETAL PATTERN DRAFTING PROBLEM CHARLES A. BENNETT CO., INC.	BOOK LEVEL: 1
READING BLUEPRINTS INDUSTRIAL MEDIA	BOOK, SLIDES LEVEL: 2
SHIPFITTER HANDBOOK R.E. DERECKTOR OF R.I., INC.	MANUAL LEVEL: 1
RIGGING J & R FILM COMPANY	MOVIE LEVEL: 2
BLDG A SHIP OF TATCO SHIPBLDG CORP NATIONAL STEEL & SHIPBUILDING COMPANY	MOVIE LEVEL: 2
BLUEPRINT READING SAN DIEGO TECHNICAL INSTITUTE	MOVIE LEVEL: 1
BLUEPRINT READING FOR SHIPFITTERS SAN DIEGO TECHNICAL INSTITUTE	WORKBOOK LEVEL: 1
BLUEPRINT READING FOR SHIPFITTERS JOHN SPENCER, INC	WORKBOOK LEVEL: 1

DIRECTORY OF TRAINING AIDS

SHIPWRIGHT

WOODWORKING TECH: JOINT APPLICATION AUTHOR: R.J. DECRISTOFORO	BOOK LEVEL: 1
CABINETMAKING AND MILLWORK AUTHOR: JOHN L. FEIRER	BOOK LEVEL: 1
AUDEL'S CARPENTERS & BUILDERS LIBRY AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL: 1
FUNDAMENTALS OF CARPENTRY, 5TH ED. AUTHOR: WALTER E. DURBAHN	BOOK LEVEL: 1
MODERN SHIP DESIGN NAVAL INSTITUTE PRESS	BOOK LEVEL: 1
HANDBOOK FOR SHIPWRIGHTS MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
STAGE BUILDING AND SHIP CARPENTRY PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL: 1
SHIP JOINERY, BULLETIN 345-S PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL: 1
BUILDER 3 &2 NAVPERS 10648-F	BOOK LEVEL: 1/2

DIRECTORY OF TRAINING AIDS

SHIPWRIGHT

ENGINEERING AID 1 & C NAVPERS 10635-B	BOOK LEVEL: 1
SHIPFITTING SIMPLIFIED MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1
AUDEL' SHIPFITTER'S HANDY BOOK AUDEL & COMPANY, PUBLISHERS	BOOK LEVEL: 1
NOMENCLATURE OF NAVAL VESSELS GOVERNMENT PRINTING OFFICE	BOOK LEVEL: 1
SHIP ERECTION, BULLETIN 349 PENN. DEPT. OF PUBLIC INSTRUCTION	BOOK LEVEL: 1
SHIPWRIGHT LONG BEACH NAVAL SHIPYARD	VIDEOTAPE LEVEL: 1
BLUEPRINT FOR SHIPFITTERS NATIONAL STEEL & SHIPBUILDING COMPANY	WORKBOOK LEVEL: 2

DIRECTORY OF TRAINING AIDS

WELDER

WELDING DESIGN & FABRICATION AMERICAN WELDING SOCIETY	ARTICLE LEVEL: 2
BLUEPRINT MACHINES/STRUCTURE/SHIPYA MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
WELDING PRINCIPLES MCGRAW-HILL BOOK COMPANY	BOOK LEVEL: 1/2
MODERN WELDING ALTHOUSE, TURNIST, BOUDITCH	BOOK LEVEL: 2
NEW LESSONS IN ARC WELDING LINCOLN WELDING COMPANY	BOOK LEVEL: 2
OXY. ACET. HANDBOOK LIND OXY. ACET. HANDBOOK	BOOK LEVEL: 2
AMER WELDING SOCIETY HANDBOOK AMERICAN WELDING SOCIETY	BOOK LEVEL: 2
PROCEDURE HANDBOOK OF ARC WELDING LINCOLN WELDING COMPANY	BOOK LEVEL: 2
BLUEPRINT RESDING FOR WELDERS DELMAR PUBLISHERS	BOOK LEVEL: 1/2/3

DIRECTORY OF TRAINING AIDS

WELDER

WELDING HANDBOOK GENERAL DYNAMICS/QUINCY	BOOK LEVEL: 1/2/3
BLUEPRINT READING FOR WELDERS DELMAR PUBLISHERS	BOOK LEVEL: 1
WELD JOINT DESIGN, MIL-STD-00223 DEPARTMENT OF DEFENSE	BOOK LEVEL: 1
THE PROCEDURE HANDBOOK OF ARC WELDI LINCOLN ELECTRIC COMPANY	BOOK LEVEL: 1
WELDING INSPECTION AMERICAN WELDING SOCIETY	BOOK LEVEL: 1
SAFETY HOBART SCHOOLS	CHARTS/POSTERS LEVEL: 1/2
WELDING PROCEDURES INGALLS SHIPBUILDING DIVISION	MANUAL LEVEL: 1
SAFETY & HEALTH FOR VOCATIONAL ED NIOSH/OFFICE OF SAFETY & HEALTH ADMIN	MANUAL LEVEL: 2
SAFETY MANUAL AMERICAN WELDING SOCIETY	MANUAL LEVEL: 2

DIRECTORY OF TRAINING AIDS

WELDER

SUPERWELDER	MOVIE
EDUCATIONAL RESOURCES FOUNDATION	LEVEL: 2
ARC WELDING ALL POSITIONS	MOVIE
SAN DIEGO TECHNICAL INSTITUTE	LEVEL: 1
NAT'L SHIPBUILDING WELDING RSCH PGM	MOVIE
AVMAST	LEVEL: 1
INDIVIDUAL	SLIDES
SAN DIEGO CITY COLLEGE	LEVEL: 1/2
WELDING	VIDEOTAPE
LONG BEACH NAVAL SHIPYARD	LEVEL: 1
ARC WELDING FUNDAMENTALS	VIDEOTAPE
LONG BEACH NAVAL SHIPYARD	LEVEL: 1
WELDING I	VIDEOTAPE
LONG BEACH NAVAL SHIPYARD	LEVEL: 1
WELDING III	VIDEOTAPE
LONG BEACH NAVAL SHIPYARD	LEVEL: 1
BLUEPRINT WORKBOOKS	WORKBOOK
MCGRAW-HILL BOOK COMPANY	LEVEL: 1/2

DIRECTORY OF TRAINING AIDS

WELDER

BLUEPRINT READING FOR WELDERS

BENNETT & SLY

WORKBOOK
LEVEL: 2

ARC WELDING

SAN DIEGO TECHNICAL INSTITUTE

WORKBOOK
LEVEL: 1

SECTION C

SOURCES OF INFORMATION FOR SKILLED TRADES TRAINING

1. A List of Participating Shipyards
2. A List of Supplementary Training Organizations
3. A List of Sources for Training Aids

December 1983

SECTION C

SOURCES OF INFORMATION FOR SKILLED TRADES TRAINING

Part 1: List of Participating Shipyards

This section lists contact information on all yards which responded to the 1983 Skilled Trades Training Survey.

Part 2: List of Supplementary Training Organizations

Contact information is provided here for those non-shipyard organizations which provide some skilled trades training courses to shipyards. This information was supplied by participating shipyards in Part 1.

Part 3: List of Sources for Training Aids

This list indicates contact information for the non-shipyard organizations listed in Section B, "Directory of Training Aids". Names of the organizations were provided by the participating shipyards in Part 1.

Pages C-ii to C-iv list the participating shipyards according to a three digit numeric code, enabling the directory user to correlate the name of the supplementary training organization with the shipyard accessing it.

LIST OF SHIPYARD CODES

<u>CODE</u>	<u>SHIPYARD</u>
110	BETHLEHEM STEEL, SPARROWS POINT
111	TODD PACIFIC SHIPYARDS /SEATTLE DIVISION
112	AMERICAN SHIP BLDG CO-AMSHIP DIVISION
113	BAY SHIPBUILDING CORPORATION
114	BATH IRON WORKS CORP.
115	DRAVO CORPORATION
116	GENERAL DYNAMICS - QUINCY SHIPBUILDING
117	HALTER MARINE, INC.
118	INGALLS SHIPBUILDING DIVISION
119	JEFFBOAT
120	MARATHON LeTOURNEAU COMPANY
121	NATIONAL STEEL & SHIPBUILDING COMPANY
122	PENNSYLVANIA SHIPBUILDING COMPANY
123	PETERSON BUILDERS, INC
124	TACOMA BOAT
125	TODD PACIFIC SHIPYARDS CORP/LOS ANGELES
126	CHARLESTON NAVAL SHIPYARD
127	PHILADELPHIA NAVAL SHIPYARD
128	ALABAMA MARITIME CORPORATION
129	AMERICAN MARINE CORPORATION
130	ASSOCIATED NAVAL ARCHITECTS, INC.
131	ASTORIA MARINE CONSTRUCTION COMPANY
132	BAKER MARINE CORPORATION
133	BARBOUR BOAT WORKS, INC.
134	BLOUNT MARINE CORPORATION
135	DILLINGHAM SHIP REPAIR
136	ELLCOTT MACHINE CORPORATION

LIST OF SHIPYARD CODES

<u>CODE</u>	<u>SHIPYARD</u>
137	FRASER SHIPYARDS, INC
138	"H B C BARGE INC
139	MARCO SEATTLE
140	MARINE CONCRETE STRUCTURES, INC.
141	MARINE WAYS CORPORATION
142	MARINE WELDING & REPAIR WORKS
143	MAXON MARINE INDUSTRIES INC.
144	MISENER INDUSTRIES, INC.
145	NEWPARK SHIPBUILDING & REPAIR, INC
146	PACIFIC DRYDOCK & REPAIR COMPANY
147	PERTH AMBOY DRY DOCK COMPANY
148	QUALITY SHIPBUILDERS, INC
149	R.E. DERECKTOR OF R.I., INC
150	REYNOLDS SHIPYARD CORPORATION
151	ROANOKE ISLAND STEEL & BOAT WORKS, INC.
152	SERVICE MACHINE GROUP
153	SOUTHWEST MARINE, INC.
154	SOUTHERN OREGON MARINE
155	SWYGERT SHIPYARDS, INC
156	TWIN CITY SHIPYARD, INC
157	UNION DRY DOCK & REPAIR COMPANY
158	AVONDALE SHIPYARDS, INC.
159	LIVINGSTON SHIPBUILDING CO.
160	TODD PACIFIC SHIPYARDS\SAN FRANCISCO
161	JACKSONVILLE SHIPYARDS, INC.
162	GENERAL DYNAMICS/ELECTRIC BOAT DIVISION
163	NEWPORT NEWS SHIPBUILDING

LIST OF SHIPYARD CODES

<u>CODE</u>	<u>SHIPYARD</u>
164	LONG BEACH NAVAL SHIPYARD
165	PORTSMOUTH NAVAL SHIPYARD
166	PEARL HARBOR NAVAL SHIPYARD

SUPPLEMENTARY TRAINING ORGANIZATIONS WITH
CORRESPONDING SHIPYARD CODES

<u>ORGANIZATION</u>	<u>CODE</u>
ALABAMA INDUSTRIAL TRAINING	128
AMERICAN MANAGEMENT ASSOCIATION	165
CIBELLA, ROSS	115
COMMUNITY COLLEGE/ALLEGHENY CNTY	115
CONNELLEY SKILLS LEARNING CTR	115
CRANE INSPECTION & CERTIFICATION BUREAU	165
DUNDALK COMMUNITY COLLEGE	110
DeBENDICTIS, BOB INC.	144
FL JUNIOR COLLEGE/JACKSONVILLE	161
FOXBORO EDUCATIONAL SERVICES	165
GENERAL ELECTRIC	165
GENERAL ELECTRIC COMPANY	165
GILMAN ENGINEERING & MANUFACTURING	165
GOULD, INCORPORATED	165
HARBOR COLLEGE	125
HARBOR OCCUPATIONAL CENTER	125
HONOLULU COMMUNITY COLLEGE	166
HYTORC OF NEW ENGLAND	165
IBM CORPORATION	165
ICS-INTEXT	114
INSTITUTE OF APPLIED TECHNOLOGY	110
INT'L CORRESPONDENCE SCHOOL	126
KUSHNER, J.B. ELECTROPLATING SCHOOL	126
NATIONAL FIRE PROTECTION AGENCY	165
NUS TRAINING CORPORATION	114
P&H HARNISCHFEGGER INSTITUTE	162
PINELLAS VOCATIONAL TECH	144

SUPPLEMENTARY TRAINING ORGANIZATIONS WITH
CORRESPONDING SHIPYARD CODES

<u>ORGANIZATION</u>	<u>CODE</u>
R.S. MEANS CO., INC.	165
REILLY, HARRY - MACHINIST	115
SAINT PAUL AREA VOCATIONAL INST.	156
SAN DIEGO CITY COLLEGE	121
SAN DIEGO TECHNICAL INSTITUTE	121
SIFCO SELECTIVE PLATING	165
SOUTHWESTERN OREGON COMM. COLLEGE	154
SPERRY VICKERS	162
TRANSPORTATION SAFETY INSTITUTE	165
TRIDENT TECHNICAL COLLEGE	126
UNIVERSITY OF NEW HAMPSHIRE	165
WANG LABORATORIES	165
WESTINGHOUSE ELECTRIC CORPORATION	165
WOODWARD GOVERNOR COMPANY	165

LIST OF PARTICIPATING YARDS

ALABAMA MARITIME CORPORATION
P.O. Box 3026
Mobile AL 36652

205-690-7810
Jerry Patrick
General Foreman

AMERICAN MARINE CORPORATION
P.O. Box 8126
New Orleans LA 70182

504-242-5200
Birk Herrath
Personnel Director

AMERICAN SHIP BLDG CO-AMSHIP DIVISION
400 Colorado Ave.
Lorain OH 44052

216-288-1234
Richard P. Casserly
Personnel Manager

ASSOCIATED NAVAL ARCHITECTS, INC.
3400 Shipwright St.
Portsmouth VA 23703

Brandt Everhart
Administrative Assistant

ASTORIA MARINE CONSTRUCTION COMPANY
403 SW Front St
Astoria OR 97103

503-325-4121
Donald Fastabend
President

AVONDALE Shipyards INC.
P.O. BOX 50280
New Orleans LA 70150

504-436-5110
Ernie Griffin
Personnel Director

BAKER MARINE CORPORATION
FM 1069 & Bay, P.O. 190
Ingleside TX 78362

512-883-9271x234
Glenn R. Graham
Personnel Director

BARBOUR BOAT WORKS, INC.
P.O. Box 1069
New Bern NC 28560

BATH IRON WORKS CORP.
700 Washington St.
Bath ME 04530

207-443-3311
Fred J. Kahrl
Mgr of Employee Development

BAY SHIPBUILDING CORPORATION
605 N 3rd Avenue
Sturgeon Bay WI 54235

414-743-5524
Jordan Woods
Director of Personnel

BETHLEHEM STEEL, SPARROWS POINT
Sparrows Point MD 21219

301-388-5721
Joseph V. Daddura
Safety Engineer

LIST OF PARTICIPATING YARDS

BLOUNT MARINE CORPORATION 461 Water St. Warren RI 02885	401-245-8300 Gino L. Maini Personnel Manager
CHARLESTON NAVAL SHIPYARD Code 180.2 Bldg. 199 Charleston SC 29408	803-743-5366 M. Wayne Poland Code 180
DILLINGHAM SHIP REPAIR P.O. Box 4367 Portland OR 97208	503-285-1111 H.G. Lyons Director Human Resources
DRAVO CORPORATION 4800 Grand Avenue Pittsburgh PA 15225	412-777-5210 H.R. Brown Employee Relations Manager
ELLICOTT MACHINE CORPORATION 1611 Bush Street Baltimore MD 21230	301-837-7900x217 Harry E. Eyler Personnel Director
FRASER SHIPYARDS, INC P.O. Box 997 Superior WI 54880	715-394-7787 Al Rivord Industrial Relations
GENERAL DYNAMICS - QUINCY SHIPBUILDING 97 E Howard ST Quincy MA 02191	617-471-4200 R. D. Ramio Chief Trades Trainer
GENERAL DYNAMICS/ELECTRIC BOAT DIVISION Eastern Point Road Groton CT 06340	203-446-7587 John T. Latham Chief, Trade Training:Dept 642
H B C BARGE INC Box 510 Brownsville PA 15417	412-785-6100 Richard L. Oesterling Plant Manager
HALTER MARINE, INC. P.O. Box 29266 New Orleans LA 70189	504-246-8900 John Chantrey V.P., Human Resources
INGALLS SHIPBUILDING DIVISION P.O. Box 149 Pascagoula MI 39567	601-935-5102 C M Davenport Mgr. Hourly Employment & Trng.

LIST OF PARTICIPATING YARDS

JACKSONVILLE SHIPYARDS, INC.
750 E. Bay Street
Jacksonville FL 32203

904-355-1711
O.N. Morgan
Asst. Manager for Training

JEFFBOAT
1030 East Market
Jeffersonville IN 42701

812-288-0435
Don Bewley
Mgr. of Labor Relations

LIVINGSTON SHIPBUILDING CO.
P.O. BOX 968
Orange TX 77630

409-883-3521
Mr. Romano

LONG BEACH NAVAL SHIPYARD
Long Beach CA 90822

213-547-6171
Mr. Bill Hardie
Code 180

MARATHON LeTOURNEAU COMPANY
LeTOURNEAU Rural Station
Vicksburg MS 39180

601-636-4132x202
Charles T. Germany
Personnel Manager

MARCO SEATTLE
2300 W Commodore Way
Seattle WA 98199

206-285-2300
Jim Edwards
Personnel Coordinator

MARINE CONCRETE STRUCTURES, INC.
1250 L&A Road
Metaire LA 70004

504-833-1901
W.V. Campbell
Vice President

MARINE WAYS CORPORATION
P.O. Box 03038
Portland OR 97203

503-286-8385
R.H. Youngman
General Manager

MARINE WELDING & REPAIR WORKS
P.O. Box 1559
Greenville MS 38701

MAXON MARINE INDUSTRIES, INC.
P.O. Box 349
Tell City IN 47586

812-547-2341
Ralph W. Emerson
V.P./General Manager

MISENER INDUSTRIES, INC.
5353 Tyson Avenue
Tampa FL 33681

813-837-8522
Dave Baylies
Accident Prevention Admin.

LIST OF PARTICIPATING YARDS

NATIONAL STEEL & SHIPBUILDING COMPANY P.O. Box 85278 San Diego CA 92138	619-232-4011 Bill Falls Mgr. of Employment & Training
NEWPARK SHIPBUILDING & REPAIR, INC P.O. Box 5426 Houston TX 77262	713-928-5051 Richard L. Lamirand Manager, Industrial Relations
NEWPORT NEWS SHIPBUILDING 4104 Washington Avenue Newport News VA 23607	804-380-2723 Mr. J.E. Wallace Director of Training & Dev.
PACIFIC DRYDOCK & REPAIR COMPANY 321 Embarcadero Oakland CA 94501	415-893-7020 Bob Hartsock General Manager
PEARL HARBOR NAVAL SHIPYARD PEARL HARBOR HI 96860	808-471-8407 Ms. Wanda McHenry Code 180
PENNSYLVANIA SHIPBUILDING COMPANY Foot of Morton Avenue Chester PA 19013	215-499-2207 Edward Kordalski Manager of Employment
PERTH AMBOY DRY DOCK COMPANY P.O. Box 348, Ft. of Commerce Perth Amboy NJ 08862	201-826-5000 George F. Fallen Vice President-General Manager
PETERSON BUILDERS, INC 101 PENNSYLVANIA ST. PO BOX 47 Sturgeon Bay WI 54235	414-743-5577 Douglas A. Washburn Director
PHILADELPHIA NAVAL SHIPYARD Code 180.2 Philadelphia PA 19112	215-755-4768 James Valentine Supv. Employee Dev. Specialist
PORTSMOUTH NAVAL SHIPYARD Kittery ME 03904	207-439-2226 Mr. Ernie Kassner Code 180
QUALITY SHIPBUILDERS, INC P.O. Box 704 Moss Point MS 39563	601-475-6758 Carlton Hempstead, Jr. Personnel Director

LIST OF PARTICIPATING YARDS

R.E. DERECKTOR OF R.I., INC Coddington Cove Middletown RI 02840	401-847-6589 Virginia L. King Asst. Personnel Director
REYNOLDS SHIPYARD CORPORATION 200 Edgewater Street Staten Island NY 10305	212-981-2800 Michael R. Reynolds President
ROANOKE ISLAND STEEL & BOAT WORKS INC. P.O. Box 340 Wanchese NC 27981	919-473-5884 Carl Bock, Jr. President
SERVICE MACHINE GROUP P.O. Box 2664 Morgan City LA 70381	504-631-0511 Sylvia Mahler Personnel Assistant
SOUTHERN OREGON MARINE P.O. Box 1220 Coos Bay OR 97420	503-269-2116 Jack L. Wilskey Vice President/General Manager
SOUTHWEST MARINE, INC. P.O. BOX 13308 San Diego CA 92113	619-238-1000 Kinsey Roos Industrial Relations Director
SWYGERT SHIPYARDS, INC P.O. BOX 308 Johns Island SC 29455	803-559-0346 P.H. Speights General Superintendent
TACOMA BOAT 1840 Marine View Drive Tacoma WA 98422	206-572-3600 Susan McLain Compensation & Benefits Mgr.
TODD PACIFIC SHIPYARDS/SEATTLE DIVISION 1801 16th Ave., SW Seattle WA 98134	206-623-1635x244 Lynda Zimmerman Assistant Manager, Personnel
TODD PACIFIC SHIPYARDS CORP/LOS ANGELES 710 Front Street San Pedro CA 90733	213-832-3361 Terry Croskrey Training Coordinator
TODD PACIFIC SHIPYARDS/SAN FRANCISCO P.O. Box 7263 San Francisco CA 94120	415-621-8633x296 Mr. Arlyn Kjellymyr Training Coordinator

LIST OF PARTICIPATING YARDS

TWIN CITY SHIPYARD, INC
P.O. BOX 43032
St. Paul MN 55164

612-738-8351
John A. Mathews
Personnel Director

UNION DRY DOCK & REPAIR COMPANY
Foot of Pershing Road
Weehawken NJ 07087

201-867-0904
Juan Perez
Personnel Director

LIST OF SUPPLEMENTARY TRAINING ORGANIZATIONS

ALABAMA INDUSTRIAL TRAINING 2540 Fairlane Dr. Bldg 4 Montgomery AL 36116	205-832-3466 Mr. George Howard Director
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AMERICAN MANAGEMENT ASSOCIATION
P.O. Box 319
Saranac Lake NY 12983

CIBELLA, ROSS 1412 Stoltz Road Bethel Park PA 15102	412-835-4031 Ross Cibella Consultant
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COMMUNITY COLLEGE/ALLEGHENY CNTY 1030 Perry Highway Pittsburgh PA 15237	412-366-7000 William Hiles Director, Cooperative Ed.
---	--

CONNELLEY SKILLS LEARNING CTR 1501 Bedford Avenue Pittsburgh PA 15222	412-566-2000 Thomas Goettman Placement Coordinator
---	--

CRANE INSPECTION & CERTIFICATION BUREAU
7200 Lake Ellenor Drive
Orlando FL 32809

DUNDALK COMMUNITY COLLEGE 7200 Soilers Pt. Rd. Baltimore MD 21222	301-282-6700 Dr. James Burns Director of Business
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DeBENDICTIS, BOB INC. 4016 Henley Road Orlando FL 32805	305-841-9208 Bob DeBenedictis President
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FL JUNIOR COLLEGE/JACKSONVILLE 101 West State Street Jacksonville FL 32203	904-633-8354 Leon Dorsett Head, Industrial Training
--	---

FOXBORO EDUCATIONAL SERVICES
38 Neponset Avenue
Foxboro MA 02035

GENERAL ELECTRIC
1 Prestige Drive
Meridian CT 06450

LIST OF SUPPLEMENTARY TRAINING ORGANIZATIONS

GENERAL ELECTRIC COMPANY
1100 Lawrence Parkway
Erie PA 16531

GILMAN ENGINEERING & MANUFACTURING
305 Delavan Dr., P.O. Box 1637
Janesville WI 53547

GOULD, INCORPORATED
120 Gibraltar St., Suite 218
Horsham PA 19044

HARBOR COLLEGE	213-518-1000
1111 Figueroa St.	Industrial Education
Wilmington CA 90744	Counselor

HARBOR OCCUPATIONAL CENTER	213-547-5551
740 N. Pacific Avenue	Gene Rohr
San Pedro CA 90733	Counselor

HONOLULU COMMUNITY COLLEGE	808-845-9226
874 Dillingham Boulevard	Ms. Janet Harada
Honolulu HI 96817	Assistant Dean of Instruction

HYTORC OF NEW ENGLAND
605 Penfield Road
Fairfield CT 06430

IBM CORPORATION
9500 Godwin Drive
Manassas VA 22110

ICS-INTXT	203-227-0891
315 Post Road West	Frederick A. Dyka, Jr.
Westport CT 06880	Account Manager

INSTITUTE OF APPLIED TECHNOLOGY	202-342-2241
P.O. Box 32331	Jay I. Leanse
Washington DC 20007	Executive Director

INT'L CORRESPONDENCE SCHOOL	803-256-0661
P.O. BOX 50218	Russ Bellamy
Columbia SC 29250	Account Manager

LIST OF SUPPLEMENTARY TRAINING ORGANIZATIONS

KUSHNER, J.B. ELECTROPLATING SCHOOL	408-749-8652
P.O. Box 1060, Lee Branch	Arthur S. Kushner, PH.D
Cleveland OH 44120	Director

NATIONAL FIRE PROTECTION AGENCY
Battery March Park
Quincy MA 02269

NUS TRAINING CORPORATION	301-258-2500
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