

SUBMARINE SHIPBUILDING COMPENDIUM

January 2021

INTRODUCTION

- CT, MA, and RI companies in the submarine shipbuilding supply chain provide high tech manufacturing, casting, welding, fabrication, and related services.**
- The companies rely on a highly skilled trades workforce trained in high tech areas or other special professional fields.**
- Federal, State and local governments, quasi-public sector organizations (partnerships) and the private sector all provide sources of relevant workforce training.**
- The information that follows is a compendium of those government and non-government organizations, schools, and other agencies that are critical to develop the submarine shipbuilding workforce. Points of contact and websites are included.**

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS RHODE ISLAND

RI Department of Labor and Training

Mission: The Workforce Development Services (WDS) Division is dedicated to the advancement of all who comprise the workforce: those who perform the work and those who hire them.

Website: <https://dlt.ri.gov/wds/>

Contact:

Email: Susan.Biagioni@dlt.ri.gov

Phone: 401-462-8723; Fax: 401-462-8722

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS RHODE ISLAND

Enroll RI -

The Rhode Island Department of Education (RIDE) launched EnrollRI in November 2020 to ensure that families have easy access to schools and educational programs.

Website: <https://enrollri.org/cte>

All Course Network (ACN)

Website: [RIDE - All Course Network](#)

Contact Email: acn@ride.ri.gov

Career & Technical Education (CTE)

Website: [RIDE - CTE](#)

Contact Email: cte@ride.ri.gov

STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS CONNECTICUT

CT Office of Workforce Competitiveness

Mission: Ensuring Connecticut has sufficient talent to support its economic growth. OWC works to coordinate and align resources, employment and training programs, and curricula to meet projected industry and job growth needs.

Website: <http://www.ctdol.state.ct.us/owc/>

Contact: 200 Folly Brook Boulevard, Wethersfield, CT 06109 / Phone: 860-263-6000

CT Workforce Investment Board

Mission: With a regional focus, the Boards assess regional employment and training needs and priorities, conduct planning for and coordinate programs that address those needs.

Website: <https://www.ctdol.state.ct.us/rwdb/rwdb.htm>

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Contact: 200 Folly Brook Boulevard, Wethersfield, CT 06109 / Phone: 860-263-6000

STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS CONNECTICUT (continued)

Eastern Connecticut Workforce Investment Board, Inc. (EWIB)

Mission: The Eastern CT Workforce Investment Board is a federally recognized workforce agency responsible for a network of workforce-related programs throughout the 41-town region in Eastern CT. Among those programs is a multi-region project featured prominently in the implementation of Cornerstone known as the Eastern CT Manufacturing Pipeline Initiative (MPI). MPI is a partnership containing numerous Next Gen principles and is provided in concert with over 30 state and regional stakeholders. The program is designed to raise the baseline of the regional labor force's competencies to align with skills that are in-demand by manufacturers. The core element of the MPI is high-rigor, skills training classes (150-300 hours in duration) with curriculum designed by employers.

Website: <http://www.ewib.org>

Contact: 108 New Park Avenue, Franklin, CT 06254 / Phone: (860) 859-4100

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS CONNECTICUT (continued)

CT State Department of Ed - Innovation and Partnerships

Mission: Working to align the K-12 education system with the needs of higher education and businesses to ensure students have access to high-quality postsecondary education and workforce opportunities.

Website: <https://portal.ct.gov/SDE>

Contact:

450 Columbus Blvd, Hartford, CT

Phone: 860-713-6500

Chris Soto, chris.soto@ct.gov

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS MASSACHUSETTS

Executive Office of Labor and Workforce Development

Mission: EOLWD manages the Commonwealth's workforce development and labor departments to ensure that workers, employers, and the unemployed have the tools and training needed to succeed in the Massachusetts economy.

Website:

<https://www.mass.gov/orgs/executive-office-of-labor-and-workforce-development>

Contact: (617) 626-7100

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS

MASSACHUSETTS (Continued)

MassHire Greater New Bedford Workforce Board Contact: Jim Oliveira; Exec. Dir./CEO

Mission: MHGNBWB manages approximately a \$5mm budget annually to carry out EOLWD Department of Career Services initiatives in accordance with state and federal guidelines. The WB's core industry sectors where administration and training funds are dedicated include manufacturing; healthcare and the maritime industry/offshore wind.

Website: <https://masshiregreaternewbedford.com>

Contact: 508-979-1504

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STATE/LOCAL WORKFORCE ORGANIZATIONS AND PROGRAMS

MASSACHUSETTS (Continued)

MassHire Bristol Workforce Board - Tom Perreira

Mission: The MassHire Bristol Workforce Board is charged with overseeing, coordinating and implementing workforce development initiatives in the Greater Fall River, Attleboro and Taunton areas. The goal of the MHBWB is to develop a truly universal, world class system serving the current and future workforce and all workforce entities.

Website: <https://www.masshirebristolwb.org>

Contact: 508-675-1165
tperreira@masshirebristol.org

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K-12 SCHOOLS SUBMARINE SHIPBUILDING CAREER AND TECHNICAL EDUCATION (CTE) RELATED PROGRAMS (RI)

RHODE ISLAND DEPARTMENT OF EDUCATION CAREER AND TECHNICAL EDUCATION (CTE) COORDINATION

Mission: CTE in Rhode Island is helping our state address key challenges — from student achievement to workforce development and from economic vitality to global competitiveness. This office manages, coordinates, and catalogs all RI CTE programs

Website:

<https://www.ride.ri.gov/StudentsFamilies/EducationPrograms/CareerTechnicalEducation.aspx#12211325-career-education-programming>

Contact: Paul McConnell, Paul.McConnell@RIDE.RI.GOV

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K-12 SCHOOLS SUBMARINE SHIPBUILDING CTE RELATED PROGRAMS (RI)

SCHOOL	PROGRAM	WEBSITE	POC
Burrillville High School	Construction	https://bhs.bsd-ri.net/	Michael Whaley whaleym@bsd-ri.net
	Engineering		
Coventry Regional Career & Technical Center	Automotive	http://www.coventrycareercenter.com/	Lori Ferguson fergusonlori@coventryschools.net
	CAD		
	Engineering		
	Welding		
Chariho Tech (Charlestown, Richmond, Hopkinton)	Automotive	https://charihotech.chariho.k12.ri.us/	Gerry Auth gerald.auth@chariho.k12.ri.us
	CAD		
	Construction		
	Electrical		
	Welding/Shipfitting		
Cranston Career & Technical Center	CAD	https://cactc.cpsed.net/ https://chse.cpsed.net/	Zach Farrell zfarrell@cpsed.net
	Construction		
	Engineering		
	Plumbing		
William Davies Career & Technical High School - Lincoln	Automotive	https://www.daviestech.org/	Susan Votto svotto@daviestech.org
	Electrical		
	Engineering		
	Manufacturing		
East Providence Career & Technical Center	Automotive	https://eastprovidencectc.com/2015/09/15/about-us/	Richard Small rsmall@epschoolsri.com
	Construction		
	Electrical		
	Engineering		

K-12 SCHOOLS SUBMARINE SHIPBUILDING CTE RELATED PROGRAMS (RI)

SCHOOL	PROGRAM	WEBSITE	POC
Providence Career & Technical Academy	Automotive	https://www.providenceschools.org/PCTA	Brett Dickens Brett.Dickens@ppsd.org
	Carpentry/Construction		
	Electrical		
	Engineering		
	HVAC		
	Welding		
Narragansett High School	Plumbing	http://nhs.nssk12.org/	Dan Warner dwarnar@nssk12.org
Newport Area Career & Technical Center	Automotive	https://www.npsri.net/NACTC	Robert Young RobertYoung@npsri.net
	Construction/Carpentry		
	Marine Electrical		
	Shipfitting/Pipefitting		
North Kingstown High School	Engineering	https://www.nksd.net/	Barbara Morse barbara_morse@nksd.net
North Providence High School	Marine Trades	http://nphs.nprovschools.org/	Melissa Caffrey Melissa.Caffrey@npsd.k12.ri.us
Ponaganset - Foster Gloucester	Construction	http://www.fg.k12.ri.us/	Lynne Bedard lbedard@fgschools.com
	Engineering		
South Kingstown High School	Construction/Carpentry	https://hs.skschools.net/	Scott Rollins srollins@sksd-ri.net
	Engineering		

K-12 SCHOOLS SUBMARINE SHIPBUILDING CTE RELATED PROGRAMS (RI)

SCHOOL	PROGRAM	WEBSITE	POC
Tiverton High School	Carpentry	http://ths.tivertonschools.org/	Chris Ashley cashley@tivertonschools.org
	Engineering		
Warwick Area Career & Technical Center	Automotive	https://wactc.warwickschools.org/	Timothy Kane timothy.kane@warwickschools.org
	CAD		
West Warwick High School	Construction/Facilities Operations	https://www.westwarwickpublicschools.com/	George Patton gpatton@westwarwickpublicschools.com
Westerly High School	Construction	https://www.westerly.k12.ri.us/Domain/1347	Alicia Storey astorey@westerly.k12.ri.us
	Manufacturing		
Woonsocket Area Career & Technical Center	Automotive	http://wactc.woonsocketschools.com/	William Webb wwebb@woonsocketschools.com
	Construction		

K-12 SCHOOLS SUBMARINE SHIPBUILDING CTE RELATED PROGRAMS (CT)

CONNECTICUT DEPARTMENT OF EDUCATION CTE COORDINATION

Mission: Manage, coordinate, and catalog all CT CTE programs

Website: <https://portal.ct.gov/SDE/Services/K-12-Education/Academics/Career-and-Technical-Education>

Contact: Melissa Hickey; melissa.hickey@ct.gov

Youth Manufacturing Pipeline: Bacon Academy, Montville HS, Norwich Free Academy, Plainfield HS, RHAM HS, Stonington HS, Waterford HS

Three Rivers Community College (TRCC) partnered with EWIB, EB, and EAMA to create and implement the Youth Manufacturing Pipeline Initiative (YMPI) for high schools in eastern CT, a CCP dual enrollment program. Formed in 2018, the YMPI program creates career pathways in manufacturing for these graduates and has placed 84 individuals into jobs in the past two years.

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K-12 SCHOOLS SUBMARINE SHIPBUILDING CAREER AND TECHNICAL EDUCATION (CTE) RELATED PROGRAMS (MA)

MASSACHUSETTS DEPARTMENT OF EDUCATION CTE COORDINATION

Mission: Manage, Coordinate and Catalog all MA CTE Programs

Website: <http://www.doe.mass.edu/ccte/cvte/programs/>

Applicable Vocational Programs:

- Advanced Manufacturing/Tool and Die
- Metal Fabrication
- Marine Service Technology
- Sheet Metal
- Drafting
- Electronic
- Plumbing
- Robotics
- Electricity
- Engineering

Applicable Innovation Pathway:

Manufacturing

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New Bedford High School	Maritime Trades	http://nbhs.newbedfordschools.org/	Chris Cummings
Greater New Bedford Voc Tech HS	Maritime Trades	https://www.gnbvt.edu/	Jim OBrien
Old Colony Regional Voc Tech HS	Photonics	https://oldcolony.us/about-the-school/	

K-12 SCHOOLS SUBMARINE SHIPBUILDING CAREER AND TECHNICAL EDUCATION (CTE) RELATED PROGRAMS (MA)

(Continued)

Bristol-Plymouth Regional Technical School	Bristol-Plymouth Regional Technical School, located in Taunton, Massachusetts, and in operation since September 1972, serves the towns of Berkley, Bridgewater, Dighton, Middleboro, Raynham, Rehoboth and the City of Taunton. Coupled with the general core of academic subjects, Bristol-Plymouth provides nineteen distinct high school technical programs.	https://www.bptech.org/bptech	Glenn Lopes - glopes@bptech.org
Diman Regional Vocational Technical High School	Diman is a regional vocational-technical high school located in southeastern Massachusetts, about mid-way between Cape Cod and Providence, RI. Their 16 vocational technical programs have over 1,400 students enrolled in grades 9 through 12.	https://www.dimanregional.org/Diman	Elvio Ferreira - eferreira@dimanregional.org

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (RI)

Community College of RI

In collaboration with the Westerly Education Center and Electric Boat, CCRI enrolls students in maritime pipefitting, maritime electrical, maritime sheetmetal training courses that prepares students to work at Electric Boat. These training programs prepare participants with trade specific pipefitting, sheetmetal, and electrical skills and knowledge for industry employment requiring the application of basic maritime pipefitting, sheetmetal, and electrical knowledge in manufacturing environments dedicated to the production of vessels for the U.S. Navy. These trainings are offered to adults and high school students enrolled in their junior or senior year. CCRI also offers OSHA 30 Maritime training to Electric Boat's supervisors and managers to improve safety within the shipyard.

Website:

<https://www.ccri.edu/>

Contact:

Cody Fino, Director of Industry Partnerships, 401-286-8297, cjfino@ccri.edu, 1 Hilton Street, Providence, RI 02905

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (RI) (continued)

New England Institute of Technology

NEIT's Shipbuilding Marine and Advanced Manufacturing Institute program provides training programs in welding, machining, and ship fitting through federal and state grants. The welding program is 260 hours, the machining program is 400 hours and the ship fitting program is 210 hours. Participants who complete training are hired by Electric Boat at an average starting wage of \$16.00/hour. Over 100 SAMI participants have been hired by Electric Boat. Participants receive academic credits and training certificates.

Website:

https://ppc.neit.edu/Who-We-Are/Affordability?abgrp=a&ctcampaign=7833&ctkwd=%2Bneit&ctcreative=415849928312&ctplacement=&ctadpos=&ctmatch=b&ctlocid=9002207&cttrgtid=kwd-360676707807&ctfeedid=&ctnw=g&ctdevice=c&gclid=EAlaIqObChMIocScsfuO7AIVmYnICh1eVQ2FEAYASAAEgLiEPD_BwE

Contact:

Fred Santaniello

Director of Workforce Development Grants and Programs

fsantaniello@neit.edu | 401-739-5000 x3382

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (RI) (continued)

Westerly Education Center/Rhode Island Office of the Postsecondary Commissioner (RIOPC)

In collaboration with the Westerly Education Center and Electric Boat, CCRI enrolls students in maritime pipefitting, maritime electrical and maritime sheetmetal training courses that prepares students to work at Electric Boat. These training programs prepare participants with trade specific pipefitting, sheetmetal, and electrical skills and knowledge for industry employment requiring the application of basic maritime pipefitting, sheetmetal, and electrical knowledge in manufacturing environments dedicated to the production of vessels for the U.S. Navy. These trainings are offered to adults and high school students enrolled in their junior or senior year.

Website: www.westerlyedcenter.org

Contact:

Amy Grzybowski, Executive Director, 401-584-4932, amy.grzybowski@riopc.edu, 23 Friendship Street, Westerly, RI 02891

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (RI) (continued)

Roger Williams University

Electrical Apprenticeship Program

Website: <https://www.rwu.edu/uc/academics/center-workforce-and-professional-development/training-workforce-and-job-readiness/electrical-apprenticeship>

Contact:

Allegra Brosco

abrosco@rwu.edu

401-254-4839

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (CT)

Porter & Chester Institute

Training in CADD drafting, automotive, hvac/r, electrical, low voltage, as well as customized trainings for employers and are looking to build out a manufacturing training for this program.

Website: www.porterchester.edu

Contact: ACerrone@Porterchester.com, 781-234-4437

Quinebaug Community College

Advanced Machine Technology with CNC

Website: https://qvcc.edu/admissions-financial-aid/admissions/?utm_source=GA&utm_medium=Search&gclid=EAlaIQobChMIweOT9vuO7AIVCo7ICh0FOgkTEAAYASAAEgIS6fD_BwE

Contact: Jodi Clark 860- 932-4128, jclark1@qvcc.edu or Sandy Gould 860-932-4178, sgould@qvcc.edu

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (CT) (continued)

Three Rivers Community College

TRCC-MAC (Manufacturing Apprenticeship Center), has collaborated extensively with sector partners to implement an innovative, just-in-time training system (MPI-Manufacturing Pipeline Initiative) wherein it has developed, delivered to over 500 participants, and continuously improved accelerated, customized occupational skills training courses including Introduction to Manufacturing, Outside Machinist, Welding, Introduction to Machine Operator, Design (NX-CAD), and Intro to Plastics Processing

TRCC has a long history of serving regional industry partners, offering 30+ technical degrees/certificates, the most among CT community colleges. TRCC is also the educational provider for both of Electric Boat's apprenticeship programs: Marine Draftsman Association, MDA (credit certificate) and Metal Trades Council / Carpenters-10 trades (non credit certificate)

TRCC partners with EWIB, EB, and EAMA as a provider for the Youth Manufacturing Pipeline Initiative (YMPI) - see K-12 CTE Program tab

Website: <https://www.threerivers.edu/>

Contact:

Erin Sullivan, esullivan@trcc.commnet.edu, 860 215 9297 or Mark Vesligaj, mvesligaj@trcc.commnet.edu, 860 215 9442

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POST SECONDARY SCHOOLS WITH PERTINENT SUBMARINE SHIPBUILDING TRADES RELATED PROGRAMS (MA)

Bristol Community College

Indust.Maint & Electrical Industrial Instrument/Electric
Industrial Tech./Power Plant
Industrial Technology
Lean -Manufacturing

Website: <http://www.bristolcc.edu/>

Greenfield Community College

Adv Manufacturing MSMI AutoCAD
FMI Found Manufacturing Int
Intro Comp Draft/Design
Intro to AutoCAD
Machine Science II

Website: <https://www.gcc.mass.edu/>

OTHER RESOURCES – TRAINING PROVIDERS (RI)

Westerly Tech Center

Westerly Education Center is managed by the State Of Rhode Island's [Office of the Postsecondary Commissioner](#). Founded in 2017, the Westerly Education Center is a public-private collaboration designed to bring together higher education, business, industry, and community partners to provide high-quality educational programs to meet projected workforce growth in the region.

Website: <https://www.westerlyedcenter.org/page/about-us/>

Contact: Amy Grzybowski – 401 584 4931

We Make Rhode Island

We Make RI started in conjunction with top Rhode Island Manufacturers to provides certified manufacturing workers while helping to preserve the rich history of building in Rhode Island.

Website: <https://wemakeri.com/about-2/>

Contact: barb@wemakeri.com

Polaris MEP

Polaris MEP is a statewide nonprofit providing competitive business improvement programs to grow Rhode Island's manufacturing industry.

Website: <https://polarismep.org/videos/polaris-mep-overview/>

Contact: Kathie Mahonie - Center Director; kmahonie@polarismep.org or lbrickle@polarismep.org

OTHER RESOURCES – TRAINING PROVIDERS (CT)

CONN STEP

Provide strategic leadership and operational methodologies that make companies more competitive in today's challenging economic climate.

Website: <https://www.connstep.org/>

Contact: 350 Church St, Hartford, CT 06103; Phone: (800) 266-6672

GD EB

Explorer Program Middle School - Explorer Program - Partnering with the Boy Scouts of America, Electric Boat is continuing a yearlong Explorer Program for youth to explore the Maritime Trades. This program is for 6th to 8th grade students (both boys and girls) and introduces them to some of our Career and Technical schools that are available to them during their high school years – building a stronger pool of future trades people. The students receive a program shirt at the beginning of the program and an Explorer pin and EB hat when the program has been completed. Electric Boat and partner employees will volunteer their time to coordinate and execute the program.

Website: <http://gdeb.com/careers/>

Contact: Heather Lee, Grant Manager & Educational Outreach Coordinator Workforce Development, 401-268-3469, hlee@gdeb.com

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OTHER RESOURCES – TRAINING PROVIDERS (MA)

MASS MEP

Provide consulting services to small and medium-sized manufacturers, as part of the MEP National Network and it's 1,300 manufacturing experts at over 400 service locations.

Website: <https://massmep.org/>

Contact: 508-831-7020 27A Midstate Drive, Suite 200 Auburn, MA 01501