

***Employee Educational Opportunities***  
***~Night School News~***

"Take that step to change  
your life. Your future self  
**IS WAITING.**"

*Roger Lee*



**NEWPORT NEWS SHIPBUILDING**  
A DIVISION OF HII



# **Night School**

## **Class Information**

**Class Locations:** B79, B903, B1768 (Welding School), B1919 (Apprentice School), and NetCenter: Suite 130 (NPD Training) and Suite 195 (Technical Learning Center)

**Minimum Required Enrollment: (7) students are REQUIRED to schedule a course.**

**The Night School reserves the right to cancel any class if the enrollment drops below the minimum requirement of seven students within the first two weeks of the term.**

**Classes Meet:** Monday & Wednesday, Tuesday & Thursday, one night per week, or Saturdays.

**Class Hours:** Math daytime classes are 11:00am - 1:30pm, two days per week. Math night time classes are 4:15pm - 6:45pm, two nights per week. Trades classes are 4:30pm -7:00pm, two nights per week. Computer classes are 4:30pm -7:00pm, one night per week. Health classes are 4:30pm – 7:00pm, one night per week. Mechanical Drawing classes are 4:15pm -6:45pm, twice per week and 8:00am-1:00pm Saturday mornings. Pipe Welding will be held 8:00am-1:00pm Saturday mornings.

**Course Length:** Courses are 9 weeks; Shipyard Operations is 10 weeks.

**Cost:** No tuition fee for Night School classes. **Books are the only cost to employees.**

**VPCC & TCC** classes require a tuition fee (EdAssist benefit can be used).

**Application:** Available on the [Night School page](#) or the [www.as.edu](http://www.as.edu) website.

**Return completed application by email to [NightSchool@hii-nns.com](mailto:NightSchool@hii-nns.com)**

**Course Announcements:** Class confirmation will be sent via **email** approximately (2) weeks before class begins.

**For Further Information:** Visit the [Night School Website](#) on MyNNS or contact Devonne Whitley at 757-688-8608.

**Information Line:** Call **757-688-8619** for changes in normal class schedule. Do not leave a message on this line as it is not closely monitored.

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**APPRENTICE APPLICATION CREDIT COURSES:** These courses are designed to help fulfill application requirements for consideration for entry into The Apprentice School. We must have (7) students enrolled to hold the class.

**Algebra I, Part A (45 Hours)**

T TH 11:00 AM—1:30 PM

S. Krist

A-SCH, BLDG. 1919

**Algebra I, Part A (45 Hours)**

M W 4:15 PM - 6:45 PM

S. Martin

A-SCH, BLDG. 1919

**Algebra I, Part B (45 hours)**

Prerequisite: Algebra I, Part A

T TH 11:00 AM—1:30 PM

S. Martin

A-SCH, BLDG 1919

**Algebra I, Part B (45 hours)**

Prerequisite: Algebra I, Part A

M W 4:15 PM - 6:45 PM

TBD

A-SCH, BLDG. 1919

**Algebra II, Part A (45 hours)**

Prerequisite: Algebra I, Part A &amp; B

T TH 11:00 AM—1:30 PM

TBD

A-SCH, BLDG. 1919

**Algebra II, Part A (45 hours)**

Prerequisite: Algebra I, Part A &amp; B

M W 4:15 PM - 6:45 PM

TBD

A-SCH, BLDG 1919

**Algebra II, Part B (45 hours)**

Prerequisite: Algebra II, Part A

M W 11:00 AM—1:30 PM

TBD

A-SCH, BLDG. 1919

**Algebra II, Part B (45 hours)**

Prerequisite: Algebra II, Part A

M W 4:15 PM - 6:45 PM

TBD

A-SCH, BLDG. 1919

**Geometry (45 hours)**

M W 11:00 AM-1:30 PM

TBD

A-SCH, BLDG. 1919

**Geometry (45 hours)**

T TH 4:15 PM - 6:45 PM

S. Martin

A-SCH, BLDG. 1919

**AutoCAD 2022 – Introduction (22.5 hours)**

T 4:30 PM - 7:00 PM

N. Diaz

A-SCH, BLDG. 1919

**AutoCAD 2022 – Intermediate (22.5 hours)**

TH 4:30 PM - 7:00 PM

N. Diaz

A-SCH, BLDG. 1919

**Mechanical Drawing I - II (45 hours)**

Prerequisite: Be able to use a 12-inch ruler graduated in 1/16 inch increments; knowledge of basic geometry

T TH 4:15 PM - 6:45 PM

C. Blake

A-SCH, BLDG. 1919

SAT 8:00 AM- 1:00 PM

C. Blake

A-SCH, BLDG. 1919



**COMPUTER RELATED COURSES**

**Access– Introduction (22.5 hours)**

T 4:30 PM - 7:00 PM D. Belew Net Center: TECHNICAL LEARNING CTR

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T 4:30 PM - 7:00 PM D. Belew Net Center: TECHNICAL LEARNING CTR

**Excel I (22.5 hours)**

TH 4:30 PM - 7:00 PM TBD Net Center: TECHNICAL LEARNING CTR

**Excel II (22.5 hours)**

W 4:30 PM - 7:00 PM TBD Net Center: TECHNICAL LEARNING CTR

**JavaScript I (22.5 hours)**

M 4:30 PM—7:00PM J. Hunter A-SCH, BLDG. 1919

**JavaScript II (22.5 hours)**

W 4:30- PM—7:00PM J. Hunter A-SCH, BLDG. 1919

**HEALTH RELATED COURSES**

**CPR/First Aid (6 hours)**

W 4:30 PM - 7:00 PM A. Mingle A-SCH, BLDG. 1919

**Health & Safety - Self –Paced Home Study (22.5 hours)**

**\*\*first week and last week of class are in-person**

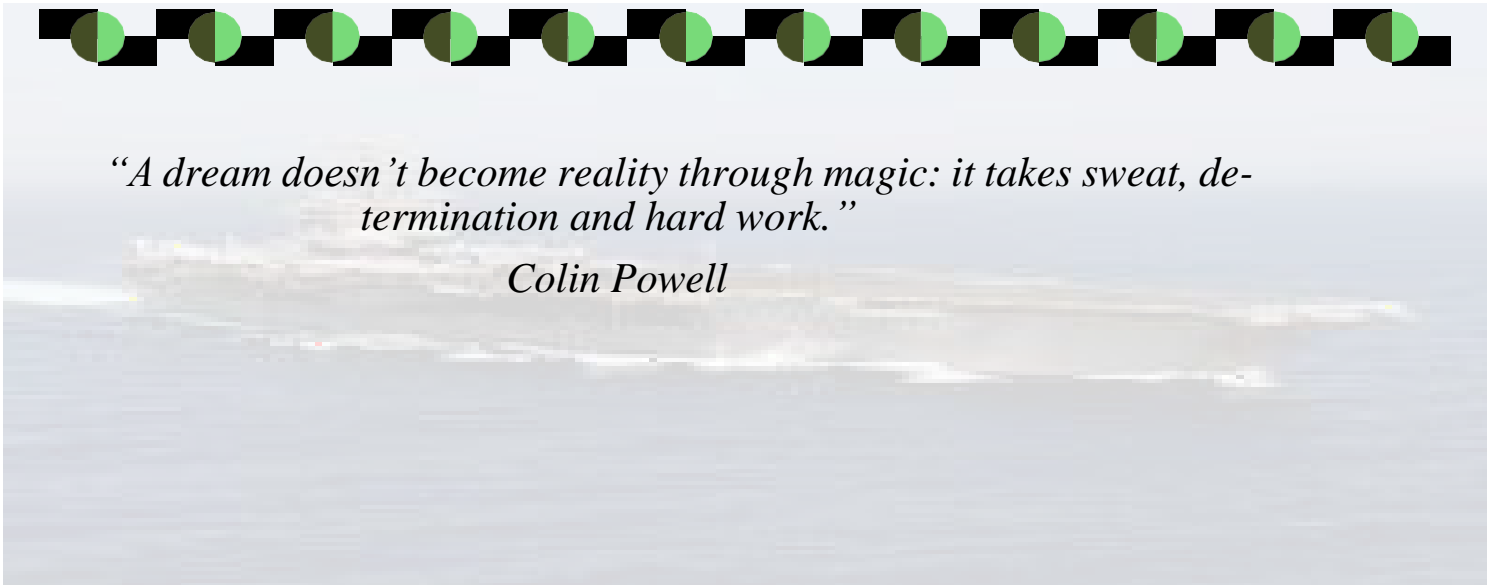
W 4:30 PM—7:00 PM B. Sharon BLDG 79-1 Conference Room

**The company reserves the right to change or discontinue these programs without prior notice.**



*“A dream doesn’t become reality through magic: it takes sweat, determination and hard work.”*

*Colin Powell*



# **SHIPBUILDING RELATED COURSES**

## **Basic Ships Theory, Design and Systems (45 hours)**

T TH 4:30 PM -7:00 PM

R. Young

Net Center: TECHNICAL LEARNING CTR

This completely revised the 2012 course covers nuclear and non-nuclear surface ships and submarines with many hands on learning applications used to reinforce the concepts in the training. A reality is that many people in shipbuilding seldom or never get to see the larger picture of what goes into ships and ship design beyond their trade or daily area of responsibility. The Basic Ships Theory, Design and Systems Course was developed as a way to provide **NNS Apprentices, Designers, Trainees, Engineering Staff, Co-op's and New Hires** with a basic working knowledge of the locations and purpose for naval and non-naval ships fundamental structural components and operating systems. Upon completion of this course, students will be able to recognize and describe the basic concepts and function of the following subject matter as they apply to surface ships and submarines: history of boats, ships and shipbuilding, shipboard terminology, lines and shapes, basic structural components of commercial and naval vessels, basic components and operations of a shipboard piping system, basic types of shipboard propulsion systems, nuclear fission, a basic nuclear propulsion system, radiation and shielding, energy production sources and shipboard use of energy, the primary shipboard auxiliary systems, deck gear and machinery, basic shipboard refrigeration, air conditioning and ventilation systems, fire science and firefighting systems, basic electricity, power generation and distribution, shipboard electrical and lighting systems, fundamental electronic sensors and surface weapons systems, introduction to submarine control systems, life support systems, high pressure air systems, flood control systems, communication and navigation systems, weapons, rescue systems, future ships technology, and beyond. Depending on availability, this course may contain one shop tour and or one ship tour. Tours require standard safety equipment and company badge for participation.

## **\*Shipyard Operations (25 hours)**

T 4:30 PM - 7:00 PM

L. Showalter

BLDG. 903/5, CONF RM 514 A&B

This course is designed for employees who are interested in learning about Newport News history, organizational structure, shop manufacturing, and ship construction processes. The course examines modern shipbuilding by combining lectures with walking tours of the manufacturing shops and ship. **\*During these shop, submarine, and carrier tours there will be extensive walking as well as climbing and descending multiple levels of stairs.** This is an excellent course for employees who have not had the opportunity to explore the shipyard or for new employees who are interested in learning overall shipbuilding processes. Earbuds are required for this class; they need a 3.5 mm plug. This course runs for 10 weeks.

## **Naval Nuclear Propulsion Plant Fundamentals (22.5 hrs.)**

T 4:30 PM – 7:00 PM

R. Young

Net Center: (NPD Training) Suite 130

This course introduces the naval nuclear propulsion plant to students with limited or no background in the subject. Class discussions include various components used throughout a nuclear propulsion plant: pumps, valves, heat exchangers, etc.; some of the many systems found within a nuclear propulsion plant, and how these systems work together to support operation of the ship. Students will become familiar with the fission process and how the energy of fission is used to power a naval nuclear ship.

The course also covers the basics of how a naval nuclear propulsion plant is operated. An overview is provided on how the shipyard works with nuclear ships to build and refuel them. So bring your questions and get an understanding of how your role here at the shipyard contributes to ultimately making our ships operate efficiently and safely. This course should not be taken by E80 division personnel who are required to take a similar course, known as 4K1, as part of their normal divisional training.

**The Company reserves the right to change or discontinue these programs without prior notice.**



## TRADE RELATED COURSES

### **Air Conditioning and Refrigeration (45 hours)**

*M W 4:30 PM -7:00 PM*

*J. Liike*

*A-SCH, BLDG 1919*

#### **Prerequisite: None (General mechanical and electrical knowledge helpful)**

Teaches basic knowledge of how both shipboard and home air-conditioning and refrigeration systems work. The course covers the fundamentals of the four basic components of every air-conditioning system, accessories, pressure and temperature relationships, EPA regulations for refrigerants, introduction to passing the "EPA certification exam", 1990 Clean Air Act (Recovery, Recycle, Reclaim), troubleshooting, servicing, maintenance, and load calculations. EPA Certification exam to be performed on last night of Class. There is a charge for the EXAM only.

### **Electrical Theory (45 hours)**

*T TH 4:30 PM -7:00 PM*

*G. Allshouse*

*A-SCH, BLDG 1919*

This course combines the concepts of Direct Current (DC) and Alternating Current (AC) theories formerly taught in the Electricity I and II classes. It focuses on several key concepts from the original classes such as electrical safety, atomic theory, types of electrical circuits, Ohm's law, and DC versus AC. New integrated concepts include motors, electro-mechanical controls, and shipboard electrical distribution.

### **Fundamentals of Corrosion Control Through Coatings (45 hours)**

*T TH 4:30 PM -7:00 PM*

*M. McCluer*

*A-SCH, BLDG 1919*

Designed for the experienced and inexperienced tradesmen and engineers who desire to increase their level of knowledge in the blast and coating trade. Course provides theoretical and practical information on the use of coatings to control corrosion and the economic benefits derived from proper selection and application. Topics include: basic principles of corrosion, coating types and characteristics, proper selection of coatings, surface preparation, equipment, techniques, media and standards, environmental issues and concerns, inspection procedures and protocols and other coating processes, i.e., metal finishing process, metalizing, electrostatic deposition and powder-coating.

### **\*\*\*Pipe Welding Program (50-200 hours)**

*Sat 8:00 AM - 1:00 PM*

*D. Kaminski / J. Guthrie*

*WELDING SCH, B1768*

The Pipe Welding Program is an intensive 200-hour curriculum designed to give graduates of the Advanced SMAW program or qualified welders the opportunity to gain experience in selected areas of pipe welding using the SMAW and GTAW welding processes. Although planned as a 200-hour program consisting of four courses, individuals may progress to their own pace. Disclaimer- Passing this class does not qualify to weld in the Yard. However, a minimum of 50 hours of training and a demonstrated competency in all four courses are required to complete the program and receive a certificate. **Required for the class: half shield, tungsten holder, and argon gauge.**

### **Fundamentals of Pipefitting (45 hours)**

*M W 4:30 PM -7:00 PM*

*S. Pearson*

*B610, CR. 201*

Focuses on how to read and interpret blueprints and the use of basic tools used for pipefitting. The course introduces orthographic projection, piping symbols, reading a scale, and blueprint information blocks. Additional topics include shipbuilding terminology, "X" and "Y" dimensions, arrangement drawings, make up of flanged pipe joints, small tubing and pedestal benders, determining size of bending head radius, micrometers and dial gages, and bend rolling offset

**\*\*\*Currently a waitlist; still accepting applications!**

**The Company reserves the right to change or discontinue these programs without prior notice.**

# VIRGINIA PENINSULA COMMUNITY COLLEGE (VPCC) CERTIFICATE PROGRAMS

VPCC tuition and fees are applied to all VPCC Certificate Program Courses. Student is responsible for submitting grades and book receipts.

***\*\*Most all classes are ASYNCHRONOUS\*\****

## FUNDAMENTALS OF ORGANIZATIONAL LEADERSHIP CAREER STUDIES CERTIFICATE PROGRAM (3 Credits Each)

BUS 117 Leadership Development

BUS 200 Principles of Management

BUS 201 Organizational Behavior

BUS 205 Human Resource Management

CST 100 Principles of Public Speaking

PHI 220 Ethics and Society

## SUPERVISION CAREER STUDIES CERTIFICATE PROGRAM (3 Credits Each)

BUS 201 Organizational Behavior

BUS 204 Project Management

BUS 205 Human Resource Management

BUS 111 Principles of Supervision I

CST 100 Principles of Public Speaking

BUS 235 Business Letter Writing

## BUSINESS MANAGEMENT CERTIFICATE PROGRAM (3 Credits Each)

ACC 211 Principles of Accounting I

ACC 212 Principles of Accounting II

BUS 200 Principles Of Management

BUS 201 Organizational Behavior

BUS 204 Project Management

BUS 205 Human Resource Management

ECO 202 Principles of Microeconomics

ENG 111 College Composition I

ENG 113 Technical– Professional Writing

PHI 220 Ethics and Society

## Did you know.....?

You **MUST** apply for graduation after completing course requirements to receive your VPCC Certificates. However, there is **NO OBLIGATION** for you to participate in the formal graduation ceremony. The ceremony is held annually in May.

### **Graduation application deadlines are as follows:**

Fall Deadline - September 15

Spring Deadline - February 15

Summer Deadline— May 14

Upon approval for graduation, VPCC will notify you via your VPCC e-mail address. If you have any questions please contact Graduation Specialist Carmen Charland at 757-825-2846 or [CharlandC@vpcc.edu](mailto:CharlandC@vpcc.edu).



## ***VPCC CERTIFICATE PROGRAMS REGISTRATION, COURSE ENROLLMENT, & EDASSIST PROCESS:***

*Submit a Night School application with the VPCC courses you want to be registered for to the Night School Administrator. You will then be sent enrollment information to get the process started.*

*All applicants (new or continuing students) must register as an official student at VPCC (this can be done at [www.vpcc.edu/apply](http://www.vpcc.edu/apply)). The enrollment form and FERPA form must contain your VPCC student ID number and physical signature.*

*(If you have previously been a VPCC student but have not attended for two terms, you must re-register.)*

***Begin your EdAssist (Bright Horizons) process to pay for your VPCC class(es).***

***This process requires submission of:***

- Education Assistance Goal*
- Request for Disbursement*

***The Night School Administrator is available to help with EdAssist, if needed. Call ahead to get availability 757-688-8608.***

***Graduation and document requests must be submitted within 60 days of course completion. This can be done on the VPCC website.***

# Didn't Finish High School?

## FREE TO ALL NNS EMPLOYEES

### **General Educational Development Certificate (GED)**

The GED Test is a four subject online test.

Graduates are awarded a CERTIFICATE of high school equivalency

### **National External Diploma Program (NEDP)**

The NEDP is a self-paced, web-based program.

The program offers flexibility to earn your high school diploma even if you are employed full time.

### **Adult Education Classes:**

Math Assistance

Adult Basic Education

GED Exam Prep

English as a Second Language (ESL)

A caring teacher is ready to help you!

### **Just one call can get you on the road to a better future!**

Whether you are 18 or 55, **you can** get a high school diploma (GED). Their trained staff provides individualized tutoring in the areas of reading, writing and math. For more information, or to schedule an appointment, please contact the **Peninsula Regional Education Program on their website at <http://www.peninsulaed.com> or call 757-283-7830**. Contact them now to schedule an evaluation and start this next chapter of your life! Imagine the pride and self-confidence you'll feel when you reach your goal!

**Do it for your FAMILY...**

**Do it for YOURSELF!**