APTR - APPLIED TRADES

LIASON:  
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PROGRAM MISSION: The Applied Trades (APTR) program’s mission is to provide students who are in state or federally approved apprenticeship programs an opportunity to earn a Certificate of Achievement and/or Associate in Applied Science (AAS) degree.

PROGRAM DESCRIPTION: Any person who has completed or is enrolled in a State of Hawai’i or a Federally approved Apprenticeship Program or an approved Pearl Harbor Naval Shipyard (PHNSY) Cooperative Education Training sequence is eligible for admission to the Honolulu Community College Certificate of Achievement and Associate in Applied Science degrees programs in Applied Trades.

PEARL HARBOR NAVAL SHIPYARD COOPERATIVE EDUCATION TRAINING:  
The PHNSY-IMF Apprenticeship Training Program is administered through a contract between Honolulu Community College and the Pearl Harbor Naval Shipyard – Intermediate Maintenance Facility (PHNSY IMF). These guidelines are very specific and must be adhered to in order for the students to be eligible for conversion to career conditional appointments (permanent positions).

The PHNSY Apprenticeship Program incorporates a Learning Community model in which the faculty and Trade Theory instructors collaborate to achieve the Student Learning Outcomes (SLOs) listed below. Cooperative Education enables students to apply classroom/lab experiences to actual work performance.

WEBSITE:  
www.honolulu.hawaii.edu/aptr

PROGRAM STUDENT LEARNING OUTCOMES (SLO): Upon successful completion of the PHNSY Apprentice Training Program, students will be able to:

• Demonstrate communication skills (read critically, write effectively, speak with clarity, and listen actively).
• Use Mathematics (algebra, geometry and trigonometry) to solve work-related problems.
• Demonstrate positive work habits and ethical behavior.
• Demonstrate knowledge of Physics (fluids, mechanical, electrical and thermal).
• Demonstrate drafting and plan reading skills.
• Analyze and evaluate information: Identify factors, analyze implications, and solve problems.
• Use technology effectively (word processing, spreadsheets, software, and equipment).
• Apply knowledge and skills gained in the classroom to perform work duties on the waterfront.

The PHNSY Cooperative Education training sequence includes a minimum of 780 hours of approved PHNSY Trade Theory and General Experience Training (26 credits), Cooperative Education - WORK 194V (10 credits), a minimum of 750 hours of work experience, and 24 credits of general education and technical support courses. PHNSY Trade Theory and General Experience Training are converted to credits upon completion of certification (30 training hours = 1 credit). This curriculum qualifies participants for conversion to career-conditional appointment (full-time permanent employment) and also satisfies the requirements of the Honolulu Community College Associate in Applied Science Degree in Applied Trades.

PROGRAM REQUIREMENTS: PEARL HARBOR NAVAL SHIPYARD (PHNSY)

<table>
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<tr>
<th>Program Prerequisites:</th>
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<tbody>
<tr>
<td>Placement in ENG 100</td>
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<td>Placement in Math 24/50</td>
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<thead>
<tr>
<th>Associate in Applied Science Degree Credits</th>
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<tbody>
<tr>
<td>Apprenticeship Training (PHNSY Training Sequence)</td>
</tr>
<tr>
<td>ENG 100 Composition I</td>
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<tr>
<td>SP 251 Principles of Effective Public Speaking</td>
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<tr>
<td>IEDD 101 Basic Drafting and Blueprint Reading</td>
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<tr>
<td>AMST 202 American Experience: Culture and the Arts</td>
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<tr>
<td>MATH 50P Technical Mathematics</td>
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### Technical College Mathematics

**MATH 150P** | Technical College Mathematics | 3
---|---|---
**PHYS 105P** | Physics for the Applied Trades | 3

*General Education Requirement - Social Science* | 3

**WORK 194** | Cooperative Education (Federal Work Cycle) | 10-12

| Minimum Credits Required | 60-62 |

**General Education Requirements for the AAS degree are listed under DEGREES AND CERTIFICATES**

**Cost of Textbooks/Supplies for PHNSY APTR Program:** General education texts average $25–$200 each. Supplies average $25-$180.

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**Advisor:**
Jeannie Shaw - Education Coordinator Pearl Harbor Apprentice Program, Honolulu Community College

**State of Hawai'i and Federally Approved Apprenticeship Programs (Except PHNSY):**
Persons who have completed all the “work process hours” and “related instruction” necessary for journey worker status in their respective trades will receive up to 45 credits for this training. These credits will apply toward the “Major courses” requirements of the Honolulu Community College Associate in Applied Science degree and Certificate of Achievement in Applied Trades. Credits will be granted for apprenticeship hours as follows:

- Five (5) credits will be awarded for each 144–160 hour segment of related classroom instruction.
- Seven (7) credits will be awarded for each 2000 hour segment of work process.

A minimum of 15 general education credits which are distributed among specific groups of courses including Communications, Quantitative and Logical Reasoning, and three other course clusters are also required.

Persons completing apprenticeship programs of less than four years in duration will need to take additional recommended courses to meet the minimum 60 credit requirement for this degree.

**Website:** [www.honolulu.hawaii.edu/apprenticeship](http://www.honolulu.hawaii.edu/apprenticeship)
Program Requirements: Apprenticeship (Except PHNSY)

<table>
<thead>
<tr>
<th>Certificate of Achievement Credits</th>
<th>Associate in Applied Science Degree Credits</th>
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<tr>
<td>24-45</td>
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</table>

1. Major Courses- Apprenticeship Training (Work Process and Related Instruction)

2. General Education*
   a. Communications (3 crs.)
   b. Quantitative or Logical Reasoning (3 crs.)
   c. Humanities or Fine Arts (3 crs.)
   d. Natural Sciences (3 crs.)
   e. Social Sciences (3 crs.)

3. Additional Recommended Courses*
   0-21

   *Important: Please see advisor for lists of courses that fulfill these requirements.

Advisors: James Niino and Guy Shibayama - Apprenticeship Coordinators, Honolulu Community College

Program Requirements: Naval Facilities Engineering Command (NAVFAC)

Certificate of Competence: The Applied Trades Certificate of Competence was created at the request of the Department of the Navy Human Resources Service Center Pacific, to meet the employment needs in a variety of maintenance-related occupations. The Certificate is ONLY for students who have been hired through Naval Supply Center.

NAVFAC Program Requirements:

Program Prerequisites:
A minimum of 640 hours of supervised work experience

<table>
<thead>
<tr>
<th>Certificate of Competence Credits</th>
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<tbody>
<tr>
<td>OESM 101 Introduction to Occupational Safety and Health</td>
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<tr>
<td>ICS 100 Computing Literacy and Applications</td>
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<tr>
<td>APTR 193V Cooperative Education</td>
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Minimum Credits Required 10

Advisor: Diane Caulfield - Cooperative Education Coordinator