Consortium: Multiple schools with separate staffs that share one Commanding Officer, Executive Officer, and Marine Officer Instructor.
The word ‘Naval’ implies both Navy and Marine.

The Secretary of the Navy is responsible to the Secretary of Defense for both the United States Navy and the United States Marine Corps.

We are a TEAM. Whenever possible, we fight together, so we train together. Naval ROTC trains both future Navy Officers and future Marine Corps Officers, just as the Naval Academy does.
Naval ROTC Mission

To develop future officers morally, mentally, and physically and to imbue them with the highest ideals of duty and loyalty, and with core values of Honor, Courage, and Commitment in order to commission college graduates as naval officers who possess a basic professional background, are motivated toward careers in the naval service, and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship, and government.
CO: CAPT Willie Billingslea (Aviation)
XO: CDR Andrew Chicoine (SWO)

Instructors
MOI: Maj. Murphy (USMC)
AMOI (AU): GySgt Garcia (USMC)
AMOI (TU): GySgt Wilson (USMC)
LT Tim Dover (SWO)
LT Matthew Kirby (SWO)
LT Sam Urato (Aviation)
LT John Grider (Submarine)
LT Christopher Cox (Aviation) (TU)
LT Mantas Rysevas (SWO) (TU)

Staff
Jan Holt
Kat Stofer
Sylvia Strickland
Joseph Mattingly (TU)
Ann Wittnebel

NROTC Building, Tuskegee

William F. Nichols Center, Auburn
NROTC Systems Model

College Program (non-scholarship) → 2-3 yr Naval Service Training Command Scholarship?

Graduation/Commission

Scholarship

College

NROTC Applicants

System Objectives
- Diversity
- Technical Majors
- Nuclear Power
- High Quality

Seaman To Admiral-21 / Marine Enlisted Commissioning Education Program (active duty only)

Subs
Surface
Aviation
Special Warfare
Marines
NROTC General Eligibility

- U.S. Citizen or in process of becoming a U.S. Citizen
- Not less than 17 years old by Sept. 1 of year starting college and no more than 23 on December 31 of that year
- Must not have reached 27th birthday by December 31 of year in which graduation and commissioning are anticipated
• High school graduation or equivalency certificate by August 1 of year of entrance into four-year NROTC Scholarship program
• No moral obligations or personal convictions that prevent conscientious bearing of arms and supporting and defending the Constitution
• Medically qualified by Navy or Marine Corps standards
• You must not have any body piercing or tattoos that violate Navy or Marine Corps policy.
NROTC General Eligibility, cont.

- Cannot have 30 or more semester hours or 45 or more quarter hours of college credit
- You must be within Navy or Marine Corps height/weight standards when you report.
- Apply for and gain admission to an approved NROTC college or university.
- Students may apply for the Navy or Marine Corps Option
- You may start the process of applying during the second semester of your junior year of high school.
All Navy applicants must conduct an NROTC Applicant Fitness Assessment (AFA).

Marine Options must be physically qualified by Marine Corps standards. Applicants will be required to complete a physical fitness test (PFT) and have no criminal record of military or civilian offenses.

Website with full requirements: http://www.nrotc.navy.mil/entrance_requirements.html
National 4-Year Scholarships

- Apply online beginning second semester, Junior year in high school: https://www.nrotc.navy.mil/
  - Application window closes Jan 31st of each year
  - The Auburn-Tuskegee Consortium has NO influence on the selection process
- Navy Option:
  - SAT: 530 Verbal/Critical Reading, 520 Math
  - ACT: 22 English, 21 Math
- Marine Option (non-waiverable):
  - SAT: 1000 Composite
  - ACT: 22 Composite
  - Armed Forces Qualification Test (AFQT): 74

Notes:
1. An NROTC scholarship offer does NOT guarantee university acceptance and vice versa. You must apply to each separately.
2. You can (and should) apply to as many programs as possible. They are not mutually exclusive (MSISR, College Program, 4-yr National, Naval Academy, etc.).
Auburn University

- Student Profile (Spring 2016)
  - Enrollment: 27,287 (19,493 undergrads)
  - Males: 50.4%; Female: 49.6%
  - Minority: 4,891 (20%)
  - Avg ACT of 2015 Freshmen: 27.0
  - First Year Retention: 90%
  - Student/Faculty Ratio: 18:1
## AU Student Breakdown

<table>
<thead>
<tr>
<th>Spring 2016</th>
<th>Navy MIDN Scholarship/College Program</th>
<th>STA-21</th>
<th>Marine MIDN Scholarship/College Program</th>
<th>MECEP</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh</td>
<td>13/6</td>
<td>0</td>
<td>7/3</td>
<td>0</td>
<td>29</td>
</tr>
<tr>
<td>Soph</td>
<td>13/6</td>
<td>5</td>
<td>3/0</td>
<td>1</td>
<td>28</td>
</tr>
<tr>
<td>Junior</td>
<td>13/0</td>
<td>3</td>
<td>6/0</td>
<td>0</td>
<td>22</td>
</tr>
<tr>
<td>Senior</td>
<td>20/0</td>
<td>0</td>
<td>5/0</td>
<td>2</td>
<td>27</td>
</tr>
<tr>
<td>Total</td>
<td>59/12</td>
<td>8</td>
<td>21/3</td>
<td>3</td>
<td>106</td>
</tr>
</tbody>
</table>

86% of Midshipmen on Scholarship
Tuskegee University

- Student Enrollment: 2,588
  - 57% female, 43% male
- 39 undergraduate
- Student-faculty ratio is 13:1
- Published Requirements:
  - 3.0 GPA, 21 ACT, 1000 SAT
<table>
<thead>
<tr>
<th></th>
<th>Spring 2016</th>
<th>STA-21</th>
<th>Marine MIDN Scholarship/College Program</th>
<th>MECEP</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh</td>
<td>6/0</td>
<td>0</td>
<td>2/0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Soph</td>
<td>4/0</td>
<td>0</td>
<td>3/0</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Junior</td>
<td>6/0</td>
<td>0</td>
<td>2/0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Senior</td>
<td>11/0</td>
<td>0</td>
<td>3/0</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>Total</td>
<td>27/0</td>
<td>0</td>
<td>10/0</td>
<td>0</td>
<td>37</td>
</tr>
</tbody>
</table>

100% on Scholarship
Minority Serving Institution Scholarship Reservation

- Must attend a Historically Black College or University (HBCU), High Hispanic Enrollment (HHE) school, or other Minority Serving Institution (MSI)
  - Electronic applications for Fall will be accepted through January
    - Written applications can be submitted through February
- Scholarship is for Navy Options Only
- Criteria:
  - Can be any gender, race, or ethnic background
  - Must meet all Navy-Option NROTC Scholarship eligibility requirements
• Qualifying scores on Scholastic Aptitude Test (SAT) or American College Test (ACT):
  • SAT: 520 Math; 530 Verbal/Critical Reading
  • ACT: 21 Math; 22 English
    • SAT/ACT Math and English / Critical Reading scores can be from two different tests; applicants can combine best Math w/ best English / Critical Reading scores to achieve qualifying scores.

• Applicants must apply to one of the NROTC affiliated MSIs if not currently enrolled.

• Applicants must be admitted to the MSI in order to use their scholarship if selected
All MSISR Applicants must conduct an NROTC Applicant Fitness Assessment (AFA) and provide their scores to their recruiter in order for their application to be considered complete and forwarded for consideration by the selection board.

- The test consists of abdominal crunches, push-ups, and a one-mile run. The purpose of the test is to evaluate your level of physical fitness.
- The test can be administered by any physical education instructor, athletics coach, an active duty officer, active duty E-7 or NJROTC instructor.
USMC Frederick C. Branch Scholarship

- Frederick C. Branch was the first African-American Marine Corps Officer
- Must attend a Historically Black College or University (HBCU)
  - Further information can be found at: www.marines.com/becoming-a-marine/commissioning-programs/four-year-colleges/nrotc
- Marine Option (non-waiverable):
  - SAT: 1000 composite
  - ACT: 22 Composite
Navy Courses of Study

- Navy scholarships are awarded based on a tier system
  - Tier 1: Engineering programs of Navy interest
    - Aerospace, Electrical, Mechanical, Nuclear, Chemical Engineering
  - Tier 2: Other Engineering, Math and Science
  - Tier 3: All other majors
- 85% of 4-yr National Scholarships awarded to Tier 1/2
- 20-30 scholarships per year (nationwide) for language and foreign studies programs
# Naval Science Curriculum

<table>
<thead>
<tr>
<th>Year</th>
<th>Navy</th>
<th>Marine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Introduction to Naval Science</td>
<td>Naval History</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Leadership and Management</td>
<td>None</td>
</tr>
<tr>
<td>Junior</td>
<td>Navigation</td>
<td>Evolution of Warfare</td>
</tr>
<tr>
<td></td>
<td>Naval Engineering</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Naval Weapons</td>
<td>None</td>
</tr>
<tr>
<td>Senior</td>
<td>Seamanship</td>
<td>Amphibious Warfare</td>
</tr>
<tr>
<td></td>
<td>Leadership and Ethics</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td>24</td>
<td>18</td>
</tr>
</tbody>
</table>

In addition to courses required to complete major.
# The Average Week (AU)

**8 hrs/wk (Freshman: 18 hrs/wk)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Mon</th>
<th>Tue*</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>0600-0715</td>
<td>Navy PT</td>
<td>Battalion GMT</td>
<td>Navy PT (Marine Pro Lab)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0730-0845</td>
<td>Navy Professional Laboratory/</td>
<td>Marine PT</td>
<td></td>
<td>Field Training Exercises</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marine PT</td>
<td></td>
<td></td>
<td>/Marine Hikes/ Freshmen</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Naval Science Class</td>
<td></td>
<td></td>
<td>Flags</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0930-1045</td>
<td>Naval Science Class</td>
<td></td>
<td>Naval Science Class</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1600-2000</td>
<td><strong>Study Hours</strong></td>
<td>Study Hours</td>
<td>Study Hours</td>
<td>Study Hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Tuesday is uniform day: 0800-1600; ** 8 hrs/wk mandatory study for fall freshmen.
The Average Week (TU)

<table>
<thead>
<tr>
<th>Time</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>0600-0715</td>
<td>Marine Physical Training</td>
<td>Navy Physical Training</td>
<td>Battalion GMT</td>
<td>Navy Physical Training/ (Marine Pro Lab)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0745-0900</td>
<td></td>
<td></td>
<td>Navy Professional Laboratory</td>
<td>Marine Physical Training</td>
<td>Field Training Exercises/ Marine Hikes</td>
<td></td>
</tr>
<tr>
<td>0930-1045</td>
<td></td>
<td>Naval Science Class</td>
<td></td>
<td>Naval Science Class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1530-1645</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1600-2000</td>
<td><strong>Study Hours</strong></td>
<td>Study Hours</td>
<td>Study Hours</td>
<td>Study Hours</td>
<td>Study Hours</td>
<td></td>
</tr>
</tbody>
</table>

*Wednesday is uniform day: 0800-1600; **8 hrs/wk mandatory study for fall freshmen.*

8 hrs/wk (Freshman: 18 hrs/wk)
Scholarship Program
Requirements (Navy Option)

- 8 hrs calculus by end of sophomore yr
- 8 hrs calculus-based physics by end of junior yr
- 3 hrs Cultural Awareness
- 3 hrs Amer. Military Hist./National Security Policy
- 6 hrs English (grammar and composition)
- Attend First-class Cruise

If dropped on request or disenrolled after reporting for sophomore year, the Department of Defense requires 2 years active duty enlisted service or recoupment of all tuition and fees, including freshman year.
Scholarship Program Requirements (Marine Option)

• No calculus or physics requirement
• No restriction on major
• 3 hrs Amer. Military Hist./National Security Policy
# Summer Cruises

<table>
<thead>
<tr>
<th>Year</th>
<th>Navy</th>
<th>Marine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rising Sophomores</td>
<td>Career Orientation and Training for Midshipman (CORTRAMID)</td>
<td></td>
</tr>
<tr>
<td>Rising Juniors</td>
<td>2\textsuperscript{nd} Class Cruise (at-sea enlisted appreciation)</td>
<td>Mountain Warfare Training Center</td>
</tr>
<tr>
<td>Rising Seniors</td>
<td>1\textsuperscript{st} Class Cruise (officer shadowing)</td>
<td>Officer Candidate School (OCS)</td>
</tr>
<tr>
<td>Commissioned</td>
<td>Ensign</td>
<td>2nd Lieutenant</td>
</tr>
</tbody>
</table>
Scholarship Program Benefits

- Uniforms
- Naval Science books
- Full Tuition and “reasonable” fees
  - aviation flight classes not currently included
- $375 per semester for books
- Monthly Stipend
  - $250/mo Freshmen
  - $300/mo Sophomores
  - $350/mo Juniors
  - $400/mo Seniors
- Calculus and Physics Tutors
- Obligation starts at the beginning of Sophomore year
College Program

- Navy and Marine Non-scholarship
- Two Stages:
  - Basic: Freshman and Sophomore
    - Uniforms and NAVS books only
  - Advanced Standing: Junior and Senior
    - Basic + monthly stipend & attends 1st Class Summer Cruise
- See [www.auburn.edu/nrotc](http://www.auburn.edu/nrotc) for information
- Marine options must pick up scholarship or college program advanced standing before reaching their junior year or 60 credit hours.
Navy College Program Requirements

• Same as Scholarship, except...
  • 6 hrs of college level Algebra (min.)
  • 6 hrs of Physical Science (incl. labs)
    • No calculus or physics requirement
  • No restrictions on major
  • No 3rd/2nd Class Summer Cruises
All Midshipmen must…

• Maintain a 2.5 semester and a 2.0 cumulative GPA, passing all classes
• Pass physical fitness test once per semester.
  • Navy PRT
  • Marine PFT and CFT
• Achieve 3rd class swim qualification.
• Complete 1st Class summer cruise or Officer Candidates School (Marines).
• Uphold moral standards.
Physical Fitness - Navy

- Navy: Physical Fitness Assessment (PFA)

  - Body Composition Analysis (BCA)
    - Max allowable Body Fat: 22% Men; 33% Women

- Physical Readiness Test (PRT)
  
  Minimum Scores: Male Female (17-19)
  - 1.5 mile run 11:00 13:30
  - Curl-ups 62 62
  - Push-ups 51 24
Physical Fitness - Marine

• Physical Fitness Test & Combat Fitness Test
  • PFT
    • 3 mile run 28:00(Males)/31:00(Females)
    • Pull-ups/Flexed-arm hang(Female) 3/15 seconds
    • Crunches 50
    • 175 (Second Class) score required to apply
    • 225 (First Class) score required to stay in the program

  • CFT
    Minimum Scores
    • Movement to Contact 4:13
    • Ammo Lift 33
    • Maneuver Under Fire 3:58
    • 270 (First Class) required

** Must meet Marine Corps Height/Weight/Body fat Standards according to MC0 6110.3 W/CHI**
### Annual AU Expenses

(2015-2016) In-State | Out of State
--- | ---
Tuition/Fees | $10,424 | $28,040
Room/Board | $12,548 | $12,548
Books/Supplies | $1,200 | $1,200
TOTAL COSTS | $24,172 | $41,788
Annual TU Expenses

(2015-2016) Private Institution

- Tuition/Fees $18,560
- Room/Board $0
- Student Fees $940
- Books/Supplies $1,000
- TOTAL COSTS $20,500
We do NOT make chaplains, doctors, lawyers, supply, engineering or intelligence officers.
Active Duty Service Requirements

- Naval* Aviator (Pilot): 8 years after wings (~10 total)
- Naval* Flight Officer (NFO): 6 years after wings (~8 total)
- Surface, Submarine, and SEALs: 5 years
- Nurses: 4 years
- Marines: 4 years (plus 4 years Inactive Reserve)

*Navy or USMC

**College Program basic requirement is 3 years active duty
<table>
<thead>
<tr>
<th></th>
<th>ENS</th>
<th>LT&gt;8 yrs</th>
<th>CDR&gt;20 yrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Pay:</td>
<td>$ 2,972</td>
<td>$ 5,287</td>
<td>$ 8,506</td>
</tr>
<tr>
<td>BAH*:</td>
<td>$ 1,329</td>
<td>$ 1,998</td>
<td>$ 2,343</td>
</tr>
<tr>
<td>BAS:</td>
<td>$ 246</td>
<td>$ 246</td>
<td>$ 246</td>
</tr>
<tr>
<td><strong>Total Mo:</strong></td>
<td>$ 4,509</td>
<td>$ 7,531</td>
<td>$ 11,095</td>
</tr>
<tr>
<td><strong>Total Yr:</strong></td>
<td>$ 54,108</td>
<td>$ 90,372</td>
<td>$ 133,140</td>
</tr>
</tbody>
</table>

* The Basic Allowance for Housing varies w/location and dependent status. For this example, Norfolk, VA was the chosen location and Ensign w/o dependents, LT and CDR with. Source: [https://www.navy.com/joining/benefits/pay.html](https://www.navy.com/joining/benefits/pay.html)

- **Sea Pay:** $210 - $535/month
- **Flight Pay:** $250 - $840/month
- **Submarine Pay:** $230 - $835/month
- **Bonuses:** $10,000 - $30,000/year
AU Unit Organizations

- Semper Fi
- Steerage
- NASA
- Trident
- Drill Team
- Shooting Team
- Intramurals
- Mariners
TU Unit Organizations

- Steerage
- Jesse L. Brown Naval Aviation Society
- Drill Team / Color Guard
- Intramurals
- Semper Fi
QUESTIONS?

War Eagle!!

Teeeee U...

Youuuuu Know!!
Warfare Communities/Marines

Submarine

Aviation

Marines

Surface

SEAL
The US Marine Corps

Marine Officer Instructor:
Capt Daniel P. Murphy
Core Values

- Honor
- Courage
- Commitment

Our most important attributes.

This is what we stand for.
Marine Corps Mission

• Make Marines
• Win Battles
• Create Quality Citizens

Our Mission is the foundation of our reputation.

This is what we do.
The Marine Corps Today

Personnel

Officers: 21,148
Enlisted: 163,681
Total on Active Duty: 184,829

Selected Reserve: 38,900

Marines are currently forward-deployed in Africa, Japan, Asia, South America, Europe, and South Africa.
MOI Mission/Goals

• Ensure fully qualified for commissioning in the Marine Corps as Company Grade Officers.
  • Education (Bachelors Degree)
  • Prepared for Officer Candidate School (OCS)
  • Prepared for The Basic School (TBS)

• Vision is to produce a Marine Officer who is:
  • A man or woman of exemplary character
  • Able to decide, act and communicate
  • A Warfighter
  • Mentally, Morally and Physically strong
  • Devoted to Leading Marines 24/7
Marine Pipeline

- University Time – (4 years) Education and Development

- OCS between Junior and Senior year (6 weeks)
  - Evaluation

- The Basic School after graduation/commissioning (6 months)
  - Training and education Warfighting Skills of a Rifle Platoon Commander
  - Basic understanding of all the facets of the Marine Corps
  - MOS selection at TBS

- Military Operation Specialty (MOS) producing school (Time dependent)

- Career path tends to be “one in, one out”
  - Operational tour / school tour / operational tour / staff tour
Events/Life in the Marine Platoon

- Physical Training: Tuesday (AU only) and Thursday (AU and TU) 0730-0845
  - Monday 0600-0700 (TU Only)
- Naval Science Classes (6 total)
- GMT Tuesday and Professional Laboratory Thursday 0600-0715
  - GMT Wednesday 0600-0715 (TU Only)
- Football games: Flags, Color Guard, and parking lots
- W.E. Winters Charity event
- Two Field Training Exercises (FTX): Spring and Fall
- Two Formal Events: Marine Corps/Navy Ball and Senior Dining-in
- Events and field trips: Leadership seminars at University of Notre Dame and the Naval Academy, guest speakers, and museum visits
- 14-18 hours per week
MOS = Job (23 possible)

- Aviation
  - Pilot
  - Naval Flight Officer
  - Aviation Intelligence Officer
  - Aviation Maintenance Officer
  - Air Support Control Officer
  - Air Defense Control Officer
  - Air Traffic Control Officer
  - Aviation Supply Officer
  - UAV Pilot
  - Low Altitude Air Defense

- Combat Service Support
  - Ground Supply Officer
  - Logistics Officer
  - Comm. Systems Officer
  - Military Police Officer
  - Financial Management
  - Public Affairs Officer
  - Adjutant
MOS, cont.

- Combat Arms
  - Infantry Officer
  - Armor Officer
  - Field Artillery Officer
  - Combat Engineer Officer
  - Assault Amphibian Vehicle Officer
  - Ground Intelligence Officer
MOS Assignment

Ratio at The Basic School (TBS) Graduation

AVIATION – 26%
COMBAT ARMS - 25%
(INFANTRY – 14%)
COMBAT SERVICE
SUPPORT - 49%
Questions?

For Honor
For Courage
For Country
The Navy Today

Personnel

Active Duty: 329,647
  Officers: 54,861
  Enlisted: 271,449
  Midshipmen: 3,337

Ready Reserve: 106,663

Ships

Deployable Strike Force Ships: 274
Underway (away from homeport): 79 ships (29%)
  Deployed: 54 ships (20%)
  Total at Sea: 133 ships (49%)

* Including 3 Aircraft Carriers and 3 Amphibs; for the math majors out there, not all of the deployed ships are at sea at any one time.
Mission First…

- Over 100 Ships Underway Daily
- Fleet Response Plan Answers The Call For Readiness
- Maritime Security Operations
  - Oil Terminal Security
  - Maritime Interdiction
  - Visit, Board, Search, and Seizure (VBSS)
- Coastal/Harbor Defense
- Homeland Security
- Transforming For the Future
  - USW, Air and Missile Defense
First Tour Platforms

- CGs
- MCMs
- LPDs/LSDs
- LHDs
- DDGs
A new SWO Career Chart...

Multiple Tracks

• Multiple paths that connect values with options and opportunities
• Build better CO’s, Warfare Commanders and Navy leaders with skills to fight, win, and lead in a variety of environments.

Agile, Flexible, Options-Based, Values-Driven
Getting Qualified…..

- Basic Division Officers Course (BDOC)
  - Can be completed prior to or after reporting to ship
- Major Qualifications
  - Combat Information Center Watch Officer (CICWO)
  - Officer of the Deck (OOD)
    - Must qualify both underway and in-port
  - Other qualifications include engineering and damage control
- Qualifications must be completed by 18 months after graduation from BDOC
Good News Stories

- Early Leadership!
- Command Opportunities
- Career Path Flexibility
- Retirement Plan
- Graduate Education Opportunities
- Bonuses / Career Pay
- Thrift Savings Plan
- Tri-Care for Life
- Annual Promotion & Longevity Pay Raises
- BAH Increases
- Family SGLI
- Be a SWO: SEE THE WORLD
- Sea Pay
Future…

DDG 1000

Sensors
- Dual Band Radar
- Acoustic Sensor Suite
- EO / IR System

Length 610 ft
Beam 81 ft
Draft 26 ft
Speed 30 kts

Characteristics
- Displacement: 14,954 LT
- Installed Power: 71 MW
- Crew Size: 150

Integrated Power System
- (2) 36 MW large gas turbine generators
- (2) 4 MW small gas turbine generators
- (2) 34 MW propulsion motors

Weapons
- (80) cells
- (2) VL AGS 155mm guns
- (600) 15mm rounds
- (2) 57mm guns

Superstructure
- Composite structure

Hull
- Wave-piercing tumblehome

Aviation
- (1) MH-60R and (2) V-22s

Boats
- (2) 7m RHIBs

LCS 1 USS FREEDOM

Unmanned Air and Sea Systems

LCS 2

USS INDEPENDENCE
Questions?
Submarine Warfare & Nuclear Power

LT John Grider
Submarine Warfare
Nuclear Power Officer
Nuclear Navy

- **82 Nuclear Powered Ships**
  (54 SSN, 4 SSGN, 14 SSBN, 10 aircraft carriers)
- **All 526 Reactors** (over 57 years) safely operated to date.
- **Over 6200 Reactor-years operated**
- **Over 149,000,000 miles steamed on nuclear power**

Nuclear Trained Personnel:
- ~21,000 Officers (Active: ~3,000 Officers)
- ~125,000 Enlisted (Currently Active: ~18,000 Enlisted)
What is a Nuclear Officer?

• LEADER
• WARFIGHTER
• SHIPDRIVER

…with a Nuclear Sub-Specialty
Submarine Force

Around the Globe...

Around the Clock

- 3 SSNs
- 2 SSGN
- 3 SSNs
- 2 SSGN
- 3 SSNs
- 1 SSBN

1 SSBN
Submarine Force:

**Attack Submarines:**
- LA Class: 41
- Seawolf Class: 3
- Virginia Class: 10

**Ballistic/Guided Missile Subs:**
- Ohio Class (SSBN): 14
- Ohio Class (SSGN): 4
Strategic deterrence has been the sole mission of the **Ballistic Missile Submarine (SSBN)** since its inception in 1960. Our ballistic missile submarine force is currently embodied in the Ohio class SSBN. Ohio class submarines carrying the Trident ballistic missile provide the sea-based "leg" of the Triad of U.S. strategic forces.
Fast Attack Submarine

The U.S. Navy's Fast Attack submarines exemplify a truly multi-mission platform - from open ocean Anti-Submarine Warfare to surveillance and intelligence gathering in the preparation/prevention of regional crises.

And they are lethal... against enemy submarines, surface ships, and critical targets ashore.
SSGNs operate in otherwise denied areas to provide unique capabilities to include 100’s of cruise missiles for precision strike, 66 Special Operations Forces, a swimmer lock out shelter, and an Advanced Seal Delivery System (ASDS). The SSGN retains the multi-mission capability found in SSNs and provides large volumes for future payloads and mission adaptation. These features provide a transformational degree of firepower in a survivable and virtually undetectable platform that can remain on station continuously.

SSGN is a transformational submarine, both physically and conceptually. Converted four OHIO Class SSBNs to SSGNs.
In the defense agenda of the new world order, the enduring characteristics of the submarine - **stealth, endurance, firepower and mobility** - enable the U.S. Navy Submarine Force to support the following missions:

- **PEACETIME ENGAGEMENT**
- **SURVEILLANCE/ISR**
- **SPECIAL OPERATIONS**
- **PRECISION STRIKE**
- **SEA DENIAL**
- **DETERRENCE**
STRIKE GROUP OPERATIONS
Surface Nuclear Fleet

LINCOLN (CVN 72)
JOHN C STENNIS (CVN 74)

BREMERTON

EVERETT

SAN DIEGO

NIMITZ (CVN 68)
RONALD REAGAN (CVN 76)

Nuclear Power School (NPS) and Nuclear Power Training Unit (NPTU)
Charleston, SC

NPTU
Ballston Spa, NY

D. D. EISENHOWER (CVN 69)
T. ROOSEVELT (CVN 71)
HARRY S. TRUMAN (CVN 75)

CARL VINSON (CVN 70)
refueling overhaul
GEORGE H BUSH (CVN 77)
New Construction

NEWPORT NEWS, VA

NORFOLK, VA
Nuclear Power School

- 6 months at Navy Nuclear Power Training Command, located in Charleston, SC
- Classroom, theoretical training
- 3 courses at a time

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<tr>
<th>WEEK</th>
<th>Course</th>
<th>Core Character</th>
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Validates 28.5 hours of coursework at Naval Postgraduate School
Nuclear Power Training “Prototype”

6 months of full-time training at a Department of Energy facility

Classroom training (~ 6 weeks)
Provides basic systems, theory, and procedures overview:
60% Classroom work
40% Independent study

“Hands-on” training (~ 18 weeks)
Actual reactor plant operation while learning procedures:
25% Watchstanding (Operation)
75% Independent study and hands on practical exercises

Charleston, SC
Saratoga Springs, NY
1. Grades/Aviation Selection Test Battery (ASTB) – most important
2. Recommendation – Professor of Naval Science
3. Physically qualified – flight physical
4. Selection – Senior year (Naval Aviator or Naval Flight Officer)
5. Orders NAS Pensacola, Florida “Cradle of Naval Aviation.”
40% USNA
40% NROTC
20% OCS
Student Naval Aviator (SNA)

Pilot Training Pipeline

IFS ➔ API ➔ Primary T-34 or T-6

Intermediate E2 / C2 T-44 ➔ Advanced E2 / C2 T-45

Intermediate Jet T-45 ➔ Advanced Strike T-45

Intermediate MV22 TH-57 ➔ Advanced MV22 TC-12

Advanced Maritime T-44 or TC-12

Advanced E6 T-44

Advanced Rotary TH-57

E-2C/D C-2A
F-18C/D F-18E/F EA-6B EA-18G AV-8B
MV-22
P-3/8 EP-3 KC-130J
E-6B
SH-60F/HH-60H MH-60R MH-60S CH-53D/E MH-53 UH-1/AH-1
Follow-On Training

- WHIDBEY ISLAND, WA
  - VAQ-129
- MIRAMAR, CA
  - VMFAT-101
- NORFOLK, VA
  - VAW-120
  - HSC-2
  - AWSTS
- OCEANA, VA
  - VFA-106
- LEMOORE, CA
  - VFA-125
  - VFA-122
- PENDLETON, CA
  - HMMT-164
  - HMT-303
- NORTH ISLAND, CA
  - HSC-3
  - HS-10
  - HSM-41
- TINKER AFB, OK
  - VQ-7
- JACKSONVILLE, FL
  - VP-30
- NEW RIVER, NC
  - HMT-302
  - VMVM-204
- MAYPORT, FL
  - HSM-40
Tactical Air

F/A-18C/D/E/F Hornet
E/A-18G Growler
F/A-35 Lightning II
Helicopters (HSM/HSC)

SH-60 (R/S) Navalhawk/Knighthawk
Multi-Engine

EP-3E Aries
P-8 Poseidon
P-3 Orion
E-6B Mercury

E-2D Advanced Hawkeye
E-2C Hawkeye
C-2A Greyhound
Special Warfare/Operations

1. Grades – most important
2. Recommendation – PNS
3. Physically qualified – Spec WAR/OPS physical
4. Physical Screening Test (PST)
5. Special Operations Assessment Screening (SOAS) (1/C Cruise)
6. Selection – Senior year (SEAL or Spec Ops)
Questions?

Auburn-Tuskegee Naval ROTC Consortium

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National Site: https://www.nrotc.navy.mil/