

Naval Aerospace Experimental Psychology

- Web site: www.navyaep.com
- Training:
 - Officer Development School (Newport RI)
 - Naval Aerospace Medical Institute (Pensacola FL)
- Billet Locations
- Salary and benefits
- Contact Information

AEP Web Page

www.navyaep.com

Naval Aerospace Experimental Psychology



Home Page

Duties

Brochure

History

Historical Roster

USNAEPS Home

United States Navy AEPs



Make your education count. Aerospace Experimental Psychologists (AEPs) apply state-of-the-science psychology and Human Factors principles in the design and testing of systems and technology on the cutting edge to ensure that our Navy and Marine Corps have the best trained and best equipped aviators in the world. The sections below will show you what the Navy AEP program can offer to psychologists interested in making a contribution to Naval aviation.

NAVAL AEROSPACE EXPERIMENTAL PSYCHOLOGY WEB BILLET LOCATIONS



For More Information, Contact:
CDR Dylan Schmorow, Ph.D., MSC, USN

AEP TRAINING

SEVEN MONTHS OF TRAINING.
Commissioned as a Lieutenant (O-3) in the USN Medical Service Corps

OFFICER DEVELOPMENT SCHOOL (NEWPORT, RI):
Six weeks on the fundamentals of what it means to be a Naval Officer

NAVAL AEROSPACE MEDICAL INSTITUTE (PENSACOLA FL):

Six months of training including:

- Aviation Preflight indoctrination
- Flight training in:
 - TH-57B Jet Ranger and/or
 - T-34C Turbomenter
- Aeromedical Officer Course
- Student AEP Curriculum

**UPON COMPLETION OF TRAINING YOU WILL
EARN WINGS OF GOLD.**



Officer Training Command

"Home of Navy OCS"



You start your training at Officer Development School (ODS).

ODS lasts about six weeks.

It is located in Newport, RI

<http://www1.netc.navy.mil/nstc/otc/ods.asp>



Officer Training Command

"Home of Navy OCS"



Early Morning Exercise



Swimming



Marching
to Class



Officer Training Command

"Home of Navy OCS"



Shipboard Damage Control:
"Save the U.S.S. Buttercup!"



Fire-Fighting



Personnel
Inspection



NAMI

Naval Aerospace Medical Institute

Phase I

Joint training with
Flight Surgeon class
(2 Weeks)

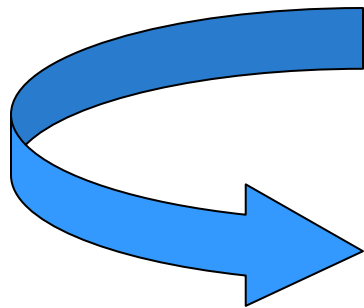
AEP Training Cycle

(6 Months)



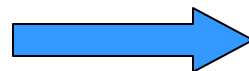
Phase III

Joint Training with
Aeromedical Officer
Class & AEP-Specific
Training
(7 weeks)



Aviation Preflight
Indoctrination
(6 Weeks)

Phase II-a



Phase II-b

Flight Training
(9 Weeks)





NAMI

Naval Aerospace Medical Institute

Phase II-a



With the Aeromedical Officer Class you will train in the:

Multi-Station Disorientation Device
(AKA the Spin and Puke;
although most people don't actually puke)

Hypoxia Training in the Altitude Chamber





Aviation Preflight Indoctrination Classes & Exams

1. Aerodynamics I
2. Weather
3. Aerodynamics II
4. Engines
5. Navigation
6. Flight Rules and Regulations

Phase II-a

- Attend API with line aviators
- 6 weeks in duration, including Water Survival training

<https://www.netc.navy.mil/nascweb/ats.htm>

https://www.netc.navy.mil/nascweb/model_manager/welcome_ aboard_packet.doc



Water Survival Training

Phase II-a

Basic water survival (WS) skills. Your API water survival training will consist of the following events:

- **WS-1** –50 yard swim screen.
- **WS-1a** – Practice survival swim strokes.
- **WS-2** –Step off a 12 foot tower and swim 100 yards demonstrating Breaststroke, Sidestroke, Elementary back, and American crawl.
- **WS-3** through **WS-6** – Treading water and survival float.
- **WS-7** – Abandon Ship Drill. Step off a 12 foot tower and swim 15 yards underwater while wearing flight suit and boots.
- **WS-8** –Swim 200 yards continuously demonstrating the survival Breast stroke, Sidestroke Elementary back, and American crawl strokes (50 yards each) in bathing suits. Perform a 75 yard swim with full flight gear utilizing the Breaststroke, Sidestroke, and Elementary back stroke.
- **WS-9** –Swim *one mile* in a swimming pool in 80 minutes while wearing flight suit.

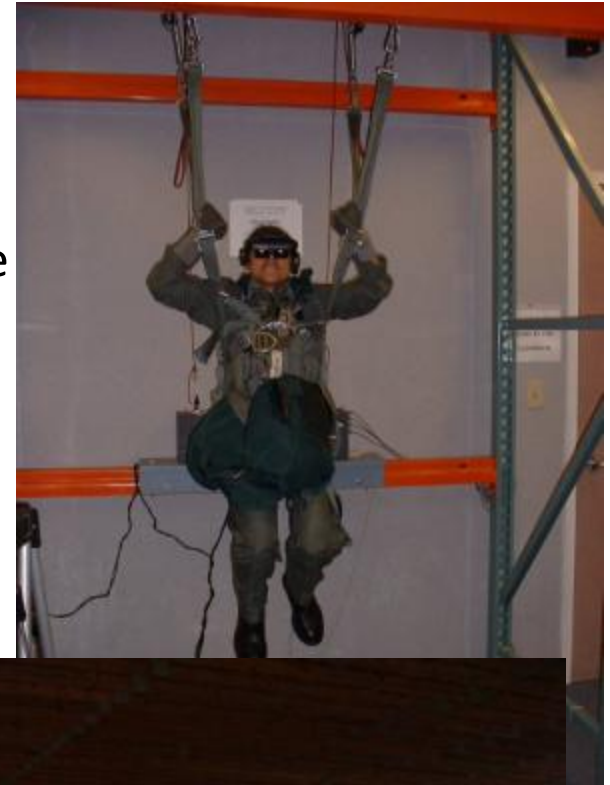


Phase II-a

Survival Skills

After API come two weeks of survival classes.

These classes are centered around short and long term survival of an aircraft ejection.



Phase II-a

Survival Skills - Water



Phase II-a

Survival Skills - Water



Phase II-b

Ground School



The amount of time you spend in ground school depends greatly on current Fleet demands and the weather. Usually last around 4 months and includes:

- T-34 or T-6 Simulator Training
- T-34 or T-6 Flight Training
- TH-57 Simulator Training
- TH-57 Flight Training

Phase II-b

Flight Training



Phase II-b

Flight Training





NAMI

Naval Aerospace Medical Institute

Finally, you will receive some AEP Specialized Training:

Core Syllabus

- Military Administration / DoD Research
- History and Fundamentals of Aviation Psychology
- AEP Billets – Structure, Focus, Organization
- Career Management
- DoD Research Management and Agencies
- Acquisition Process
- Navy Medical Department Activities
- Ethics

Aviation Personnel Selection

- Aviation Selection Overview and Concepts
- Aviation Selection Test Battery (ASTB)
- Performance Based Selection Systems
- Selection Test Data Base Practicum

Human Performance and Training

- Training Analysis
- Training Techniques
- Training Evaluations
- Transfer of Training
- Stress, Fatigue, Motivation and Sustained Ops
- Team Training

Human Factors in Aviation

- Human Factors Engineering
- Human Factors Test and Evaluation Techniques
- Practicum: Evaluation of APEX
- Controls and Displays
- Crew Station Design
- Automation
- Examination and Review

AEP Practicum

- Proposal Research and Writing
- Write Pre-Proposal Paper
- Programmatic Brief

Phase III



NAMI

Naval Aerospace Medical Institute

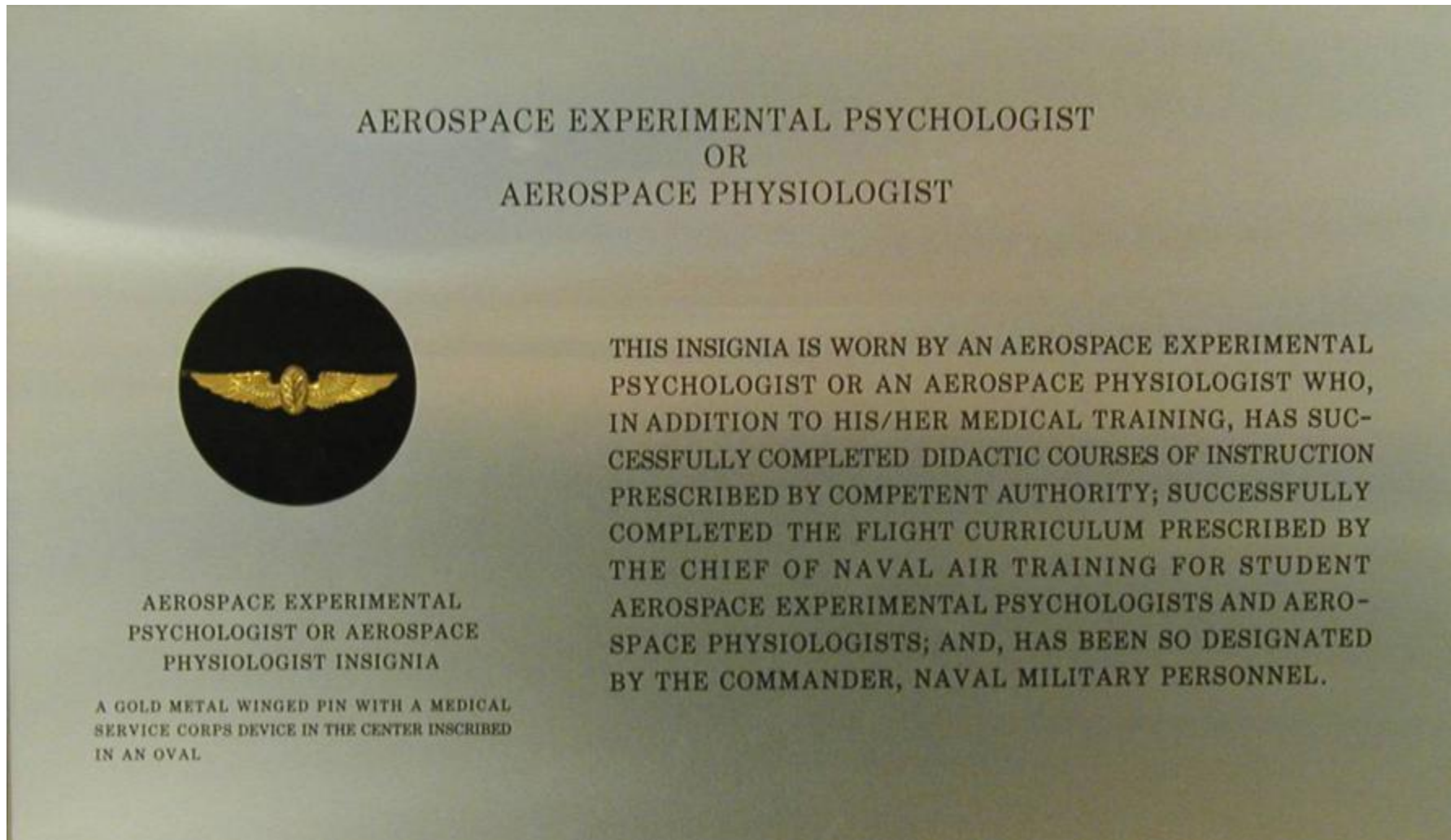


Phase III

Pistol Qualifications

AEP Wings

Plaque from National Naval Aviation Museum



After you complete your training, you will have earned your Wings!

NAVAL AEROSPACE EXPERIMENTAL PSYCHOLOGY (AEP) BILLET LOCATIONS



Next, you will be assigned to one of the above locations for your first tour of duty. Tours are normally 3 year assignments.

Pay (2011)

Your base salary is \$3711.90 a month or \$44,542.80 a year.

- On the chart below, you would start as an O-3 with less than 2 years.

PAY GRADE	YEARS OF SERVICE													
	<2	2	3	4	6	8	10	12	14	16	18	20	22	24
	COMMISSIONED OFFICERS													
O-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14975.10	14975.10	14975.10
O-9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13469.70	13663.60	13944.00
O-8	9530.70	9842.70	10050.00	10107.90	10366.50	10798.20	10899.00	11308.80	11426.40	11779.80	12291.00	12762.30	13077.30	13077.30
O-7	7919.10	8287.20	8457.30	8592.60	8837.70	9079.80	9359.70	9638.70	9918.60	10798.20	11540.70	11540.70	11540.70	11540.70
O-6	5869.50	6448.50	6871.50	6871.50	6897.60	7193.40	7232.40	7232.40	7643.40	8370.30	8796.90	9222.90	9465.60	9711.30
O-5	4993.00	5512.20	5893.80	5965.80	6203.70	6346.20	6659.40	6889.20	7196.20	7640.70	7856.70	8070.30	8313.30	8313.30
O-4	4221.90	4887.30	5213.40	5286.00	5588.70	5913.30	6317.40	6632.10	6851.10	6976.50	7049.10	7049.10	7049.10	7049.10
O-3	3711.90	4208.10	4542.00	4951.80	5188.80	5449.20	5617.80	5894.70	6039.00	6039.00	6039.00	6039.00	6039.00	6039.00
O-2	3207.30	3652.80	4207.20	4349.10	4438.50	4438.50	4438.50	4438.50	4438.50	4438.50	4438.50	4438.50	4438.50	4438.50
O-1	2784.00	2897.40	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50	3502.50

<http://www.dfas.mil/militarypay/militarypaytables.html>

<http://www.defenselink.mil/militarypay/mpcalcs/Calculators/RMC.aspx>

More Pay (Numbers Current for 2011)

- You also receive a Basic Allowance for Housing (BAH) of \$1173 a month if you have no dependents
 - Pensacola BAH with dependents will be \$1305 per month
 - BAH varies by geographic location. In some AEP duty stations it is as high as \$2106.
 - BAH is non-taxable income.
- You receive a Basic Allowance for Subsistence (BAS) of \$223.84 a month to pay for food
 - BAS is also non-taxable income
- This totals \$16,762.08
- Flight pay starts at \$125.00 a month
 - Flight pay increases several times over an officer's first 22 years on flight status, up to a maximum of \$840 a month

44,542.80	Base Pay
16,762.08	BAH + BAS
<u>1,500.00</u>	<u>Flight Pay</u>
62,804.88	Total Pay

- Your annual pay should be around \$62,804.88, depending on where you are assigned, whether you have dependents, and when you enter flight status.
- Remember that \$16,762 of your income is not taxed, which increases your Federal Tax Refund by \$2600-\$4800
- You also get free family medical, free dental insurance, and receive 30 days of leave per year.
- For additional obligated service, your GI Bill educational benefits can now be transferred to your spouse or children.
- Initial obligated service is one 3-year tour following training, plus 8 years of inactive reserve time.

Contact Information

- For more information about the AEP Program, contact:
- AEP Specialty Leader
CAPT Dylan Schmorrow
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- AEP Assistant Specialty Leader
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