

**U.S. COAST GUARD AUXILIARY  
AIR CREW TRAINING SYLLABUS**

Air Crew Qualifications  
U.S. Coast Guard Auxiliary

**Certification:** Each task beginning with Communication Skills will be signed as completed by a currently qualified Auxiliary First Pilot or Aircraft Commander. The trainee must demonstrate competency during ground and flight training sessions for each task to be signed off.

**Medical Requirement:**

**DIRAUX Signature      Date**

- a. FAA Third Class Medical  
(Submit copy to DIRAUX)

**OR**

- b. Medical Screening Form  
(Submit copy to DIRAUX )

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**Wet Drill/Swim Test**

**(Auxiliary Operations Policy Manual, COMDTINST 16798.3D)**

**DIRAUX Signature      Date**

- (1) 50-yard continuous swim (in flight gear w/PFD)
- (2) Liferaft Boarding
- (3) Survival Equipment Lecture
- (4) Survival Principles

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**Egress Skills**

**(Auxiliary Operations Policy Manual, COMDTINST 16798.3D)**

**DIRAUX Signature      Date**

- (1) Annual Egress Training.

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**Communication Skills (Coast Guard)**

**Instructor  
Signature                      Date**

- (1) Auxiliary Communications Course

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**OR**

- (2) Demonstrate Communications ability with other  
CG Stations/Auxiliary Vessels.

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Enclosure (1) to COMDTINST 16798.2

**GROUND TRAINING**

**Aircraft Communication Systems**

- (1) Audio Panel (Functions & Use)
- (2) Aircraft Intercom (Functions & Use)
- (3) NAV/COMMs (Functions & Use)
- (4) Transponder (Functions and Use)

**Instructor Signature** **Date**

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**Communications Skills (ATC)**

- (1) Clearance Delivery
- (2) Ground Control
- (3) Tower
- (4) Departure & Approach
- (5) Air Route Traffic Control Center (ARTCC)
- (6) Automated Flight Service Station (AFSS)
- (7) UNICOM

**Instructor Signature** **Date**

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**Navigational Skills**

- (1) Locate landmarks/airports depicted on aeronautical charts
- (2) E6B and Plotter Usage
- (3) Pilotage and Deduced (DED) Reckoning
- (4) Be able to plot an airborne course
- (5) Chart Symbology
- (6) Plot search patterns on aeronautical charts
- (7) VOR (Concept & Use)
- (8) NDB (Concept & Use)
- (9) GPS (Concept & Use)
- (10) LORAN (Concept & Use)
- (11) DME (Concept & Use)
- (12) Instrument Landing System (Concept & Use)

**Instructor Signature** **Date**

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**Airspace**

- (1) Class A, B, C, D, E & G, (Concept & Use)
- (2) Military Operating Areas (Concept & Use)
- (3) Restricted Areas (Concept & Use)
- (4) Prohibited Airspace (Concept & Use)
- (5) Air Defense Identification Zone (ADIZ)

**Instructor**                      **Date**  
**Signature**

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**Charts and Approach Plates**

- (1) Sectional Charts (Function & Use)
- (2) Low Altitude Enroute Charts (Function & Use)
- (3) Approach Plates (VOR, NDB, ILS, etc.)  
    Planview, Profile, & Legend
- (4) Approach Plate Symbology

**Instructor**                      **Date**  
**Signature**

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**Weather Information Gathering**

- (1) METAR (Function & Use)
- (2) TAF (Function & Use)
- (3) Winds Aloft (FD) (Function & Use)
- (4) NOTAMS (Function & Use)
- (5) ATIS (Function & Use)
- (6) AWOS/ASOS (Function & Use)
- (7) AFSS Services (Function & Use)
- (8) DUATS (Function & Use)

**Instructor**                      **Date**  
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**Aircraft Systems and Procedures**

- (1) Use of Aircraft Checklist
- (2) Aircraft Pre-Flight Inspection
- (3) Cockpit Assignments
- (4) Cockpit Attitude Instruments
  - a. Artificial Horizon
  - b. Heading Indicator
  - c. Wet Compass
  - d. Turn Coordinator
  - e. Altimeter/Vertical Speed Indicator
  - f. Airspeed Indicator
- (5) Emergency Procedures

**Instructor**                      **Date**  
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**Mission/Flight Planning**

- (1) Mission Briefs
- (2) Weather Briefs
- (3) Flight Planning

**Instructor Signature** **Date**

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**Air Crew Flight Training**

- Air Crew Flight Mission 1 (1 hour)
- Air Crew Flight Mission 2 (1 hour)
- Air Crew Flight Mission 3 (1 hour)
- Air Crew Supplemental Flight Mission (1 hour)
- Air Crew Supplemental Flight Mission (1 hour)
- Additional Supplemental Flight Missions (As Needed)
- Air Crew Flight Mission 4 (2 hour) (Cross Country)

**Instructor Signature** **Date**

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**Accomplish the Following on Flight Missions 1 through 4:**

- (1) Prepare a cross-country flight navigation log
- (2) Obtain a pre-flight weather brief
- (3) Prepare a frequency plan
- (4) Plot mission courses on aeronautical/marine Charts
- (5) ID surface features/navigation check points
- (6) Prepare aircraft Weight and Balance
- (7) Fuel calculations (pre-flight planning & in-flight)
- (8) Communications with Coast Guard Activities/Units
- (9) Preparing/filing a FAA Flight Plan
- (10) Opening and Closing FAA Flight Plans (VFR/IFR)
- (11) Demonstrate use of aircraft's communication system
- (12) Demonstrate ability to communicate with ATC facilities listed under "Communication Skills" syllabus section.
- (13) Demonstrate navigation skills using pilotage, DED reckoning, and radio nav aids
- (14) Demonstrate understanding of all major Airspace types
- (15) Demonstrate in-flight use of charts (Sectional & Low Altitude Enroute)
- (16) Demonstrate In-flight use of approach plates (Back up pilot on ILS, VOR, & NDB approach)

**Instructor Signature** **Date**

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(17) Demonstrate understanding of cockpit attitude instrumentation from in-flight indications	_____	
(18) Demonstrate in-flight gathering of weather information	_____	
(19) Demonstrate proficiency in understanding aircraft systems, normal and emergency procedures applicable to the aircraft being trained in	_____	

**Additional Requirements**

	<b>DIRAUX Signature</b>	<b>Date</b>
(1) Open Book Air Observer Test (Take & Pass)	_____	
(2) Open Book Pilot Test (Take & Pass)	_____	
(3) Auxiliary Aviation Workshop Attendance	_____	