The PHOENIX Centrifuge is the World's most high-fidelity flight simulator. It has the exclusive ability to simulate any phase of flight with acceleration, vibration and multi-axes orientation, and real-world displays and controls.

The PHOENIX Centrifuge provides pilots, passengers, and crew with a safe, ground based, realistic training environment. It provides same physiological stresses encountered during actual flight, which enables optimization of in-air skills and techniques.
APPLICATIONS

• Space Training
• Civilian Training
• Military & High G training
• High risk maneuvers training
• Nominal/off-nominal trajectory scenarios
• Mission rehearsal & planning
• Human performance and assessment under G

SPECIFICATIONS

• 25 foot arm
• Maximum G Level: 12 Gs
• Onset Rate: 10 G/second
• Maximum Payload: 1200 lbs
• 3 fully controllable axes with continuous 360° pitch and roll
• BIOPAK medical monitoring equipment
• Pressurized oxygen and breathing air
• Anti-G suit connections
• Closed Circuit Television (CCTV) video capture & recording
• Multi-channel voice communication system
• Interchangeable air/space Cockpit Modules
• 120° x 70° Field of View & real-world visual display
• Configurable flight profile editor

VALUES

• Optimal learning and training transfer to real aircraft or spacecraft
• Safe and controlled setting in initial and refresher learning
• Safely explore air/spacecraft performance envelope with various configurations
• Data linking capability to Cockpit Modules or other simulators via HLA
• Understand and model both human and vehicle limitations in extreme flight environments
• Reduce risk and extend aircraft service life from initial and refresher training

www.NASTARcenter.com
PILOT SELECTION SYSTEM

NASTAR Center’s Pilot Selection System is an integrated pilot screening and evaluation tool used to determine a candidate’s aptitude, skills, and performance in various flight environment conditions. The system includes computer-based training stations and a three-axes, motion-based flight training device (FTD). Pilots are tested on their psychomotor skills, coordination, and conscious attention management (including reaction time, comprehension, attention, perception, and audio and visual memory) within a dynamic flight environment.
APPLICATIONS

- Cross control ability
- Perceptual depth
- Pattern recognition
- Tracking and response time
- Suitability for pilot selection & evaluation

SPECIFICATIONS

- Individual desktop computer stations
- Computerized grading & scoring system
- Secure data collection and storage
- 3-axes motion based simulator
- Generic configuration and operational controls
- Cockpit instrumentation
- Closed Circuit Television (CCTV) video capture & recording

VALUES

- Time and cost savings by reducing candidate ‘wash out’ earlier in the selection process
- Incorporates actual FTD motion based simulator for a more accurate selection method
- Curriculum is adaptable to individual program goals
- Ability for skill practice in motion-based flight simulator before entering actual aircraft
- Can be used for military, civilian, or space pilot evaluation

www.NASTARcenter.com
Interchangeable, “plug-and-play” cockpit and cabin modules provide a safe, cost-effective, and authentic aircraft/spacecraft training environments for pilots and passengers. Modules can be both stand-alone simulators (non-motion) and dynamic high-fidelity (full-motion) simulators when inserted into the high-performance PHOENIX Centrifuge.

Together with the centrifuge, the interchangeable modules enable authentic replication of the cockpit/cabin environment, vehicle performance, and mission systems as well as provide the same physiological stresses encountered during actual flight. Standard and custom-built modules are available. Multiple modules can be data-linked to support multi-mission rehearsals, operations, and training exercises.
COCKPIT/CABIN MODULES

APPLICATIONS

- Space Training
- Civilian Pilot Training
- Air Combat Training & G Training
- Human Performance & feedback
- Seat Design & Configuration Testing
- Life Support Systems Testing
- Tactical maneuvering in a hostile environment
- Human system interface
- Cockpit cabin ergonomics

SPECIFICATIONS

- High-fidelity flight controls and instrumentation
- 120˚ x 70˚ Field of View & real-world visual display
- Customizable flight instrument display panel
- Single-seat cockpit or cabin modules
- Pressurized oxygen and breathing air
- BIOPAK medical monitoring equipment
- Closed Circuit Television (CCTV) video capture & recording
- Multi-channel voice communication system
- Seat shaker

VALUES

- Enhanced operational preparedness
- Reduced airframe and engine fatigue
- Reduced dependency on training ranges
- Significant cost reduction
- Greater confidence and experience in a high “G” environment
- Data link options to other cockpit modules, HLA compatible simulators, actual aircraft
- Standalone or integrated
- Authentic simulator emphasizes training effectiveness

www.NASTARcenter.com
INTEGRATED PHYSIOLOGICAL TRAINER (IPT) III

NASTAR’s Gyro IPT Generation III is a fully interactive, hands-on, real-world flight simulator designed to prepare pilots for in-flight illusions and spatial disorientations safely and cost-effectively. Unlike standard disorientation demonstrators, in which a pilot is just ‘along for the ride,’ a pilot in the Gyro IPT III has full, closed loop control of the flight before, during, and after the spatial disorientation illusion training session.

The Gyro IPT Generation III also features an interactive profile editor allows the user to create, store, modify, and run illusion profiles. Conditional events programming allows critical profile inputs to be tied to a specific in-flight condition to insure authenticity in the learning environment. Illusion profiles are fully automated and can be run individually or multiple illusions can be combined into a single flight for additional training benefits.
INTEGRATED PHYSIOLOGICAL TRAINER (IPT) III

APPLICATIONS

- Spatial Disorientation
- Situational Awareness
- Night Flight Procedures and Goggle Use
- Partial Panel Instrument Failure Procedures
- Upset Recovery Training

SPECIFICATIONS

- 6 Degrees of Freedom (DoF) Motion System
  - Continuous 360° Pitch, Roll, Yaw, sway, surge, and heave
- Interactive flight profile editor
- 14 Fixed Wing & 8 Rotary Wing SD illusions
- Single seat or dual seat configuration
- Wide Field of View visual display and 3D visuals
- Stereo sound and communication system

VALUES

- Hands-on interactive learning environment
- Instructor is able to task student in a variety of ways using the interactive profile editor
- Simulation with sustained motion cuing for optimal skill acquisition and retention
- Data linking capability to Cockpit Modules of other simulators via HLA

www.NASTARcenter.com
WATER SURVIVAL TRAINING SYSTEM

The water survival training system is a total environmental simulator to provide pilots, passengers, and crew to survive unanticipated water landings or other episodes where water rescue may be required. The system consists of a pool, reconfigurable air/spacecraft vehicle simulator, and ambient environmental wind, rain, and lightning theatre system.

Each water simulator cabin is easily configurable for various types of aircraft and emergency exits. A specialized water survival training curriculum is offered through NASTAR Center’s partnership with Survival Systems USA.
WATER SURVIVAL TRAINING SYSTEM

APPLICATIONS

• Water Survival
• Underwater Escape
• Helicopter or Air/Spacecraft Specific
• Parachute Drop, Disentanglement & Release
• Lite Raft Boarding
• Helicopter Rescue Hoist
• Emergency Egress
• Emergency Planning and Evacuation

SPECIFICATIONS

• Reconfigurable Configurations
• Exit lighting
• Realistic emergency exits
• Full parachute ensemble with mechanical mechanism simulating parachute drag
• Sprayer mechanism simulates rotor downwash
• Hoist mechanism for lifting from the water
• Life support raft and equipment

VALUES

• Familiarization and practice of water survival skills, devices and techniques
• Provides skill repetition and practice in a safe, monitored, and indoor environment
• Provides aircrew with firsthand introduction to various water survival scenarios

www.NASTARcenter.com
ALTITUDE CHAMBER

The NASTAR Center's hypobaric (high-altitude) chamber provides a safe, controlled and medically monitored setting to conduct research or to train personnel on how to recognize and cope with low oxygen situations such as hypoxia, night vision deficiency, and rapid decompression scenarios. Hypoxia presents a serious danger for anyone traveling to high altitudes, such as pilots, space travelers, and mountain climbers.
ALTITUDE CHAMBER

APPLICATIONS

- Hypoxia
- Pressure breathing
- Mechanical gas expansion
- Hyperventilation
- Oxygen equipment use
- Rapid Decompression (RD)
- Claustrophobia & discomfort test
- Low oxygen emergency procedures
- Life support equipment testing
- Altitude acclimation & sports endurance training

SPECIFICATIONS

- Maximum altitude: 100,000 feet
- Maximum ascent rate: 12,000 ft/min
- RD ascent rate: 16,000 ft/min
- Occupancy: 12 person (main chamber); 4 person (RD)
- Closed Circuit Television (CCTV) video capture & recording
- Automated flight control system
- Interactive flight profile editor
- ASME, PVHO, NFPA, EN ISO 9001 Compliant

VALUES

- Aids in identifying individual physiological responses and ability in low oxygen environments
- Affords ability to simulate low/no oxygen emergency situations and procedures
- Safe, controlled, medically monitored environment
- Large chamber accommodates large group sizes and objects

www.NASTARcenter.com
GYROLAB GL-2000

The GYROLAB GL-2000 is a single seat centrifuge-based motion platform which accurately simulates in-flight stimulation of the visual, vestibular, and proprioceptive systems which can cause pilots to become disoriented while flying. It provides uniquely controlled, sustained G-force with its planetary axis, and provides 360° degree rotation in yaw, pitch, and roll axes. The GYROLAB GL-2000 is an ideal device for spatial disorientation, situational awareness, motion sickness and desensitization, and loss of control in-flight (LOC-I) applications.
APPLICATIONS

• Spatial disorientation
• Situational awareness
• Unusual attitude recovery
• High angle of attack maneuvering
• Formation & aerobatic maneuvers
• Takeoff and landing
• Motion sickness desensitization
• Mishap recreation and investigation
• Night flying
• Instrument and navigation training

SPECIFICATIONS

• 0.2 G/second
• 8-Foot Planetary Arm
• Electro-Mechanical Motion Drive System
• 360° Rotation in 4 axes; Planetary, Yaw, Roll, Pitch
• Maximum G Level: 2.5 Gs
• Single seat, control stick
• Rudder pedals with control loading
• Multi-channel voice communication system
• Forced air ventilation
• Flat panel real-world visual display
• Photorealistic airports
• Closed Circuit Television (CCTV) video capture & recording
• BIOPAK medical monitoring equipment

VALUES

• Realistic Loss of Control in-flight (LOC-I) and Upset Recovery training in a safe, controlled, and medically monitored environment
• Reduced loss of life and equipment through familiarization of situations
• Physiologically realistic training without putting flight hours on aircraft to extend airframe life
• Flexible, multifunctional platform for research training

www.NASTARcenter.com
DISASTER MANAGEMENT SYSTEM

The Disaster Management System is a physics-based emergency scenario simulation training tool for first responders and mission control commanders. It provides a low-cost, effective training platform that enables teams to practice response scenarios and execute commands on a multitude of incidents in a time-sensitive, safe, and organized manner. The Disaster Management System features content that is artificial intelligence (AI) and photo-realistic based. Programmable scenarios, conditions, and environments are recordable and allow for video playback.
DISASTER MANAGEMENT SYSTEM

APPLICATIONS

• Launch Pad Mishaps
• Chemical & Biohazards
• Emergency Landing Situations
• Runway Incidents
• Fire Rescue
• Air/space port operations and emergency
• Fuel spill
• Hazardous/chemical spill
• Tower to ground communications

SPECIFICATIONS

• 180° cylindrical virtual theater
• ADMS Engine (software tower)
• Artificial Intelligence
• Photo-realistic visuals
• Physics-based movement
• Decision commands
• Record and playback capabilities

VALUES

• Reduction in live exercise costs & mitigate risk to life and property
• Environmentally sound (no pollution)
• Accurate simulation of crowd behavior, casualties, emergencies, disasters, infrastructure, resources, and crews
• Addresses FEMA NIMS and meets training objectives according to civil, military, and space incident command systems
• Customizable simulations
• Remote networked system for team training
• Knowledge of time it takes to occur & stop hazard
• Portable system available

www.NASTARcenter.com
GYROLAB GL-4000

The GL-4000 is a dynamic, centrifuge-based motion platform, as well as a data capture and collection system. It features 360° continuous and simultaneous motion in four axes (planetary, pitch, roll, and yaw) up to 6Gs. The interchangeable cockpit modules can support multiple aircraft types, including rotary wing aircraft simulators.

The GL-4000 is a useful tool in physiology and flight training as well as in clinical and operational research applications. It includes an interactive profile editor for spatial disorientation, situational awareness, and other flight scenarios.
APPLICATIONS

• Space Training
• Spatial Disorientation
• Situational Awareness
• Unusual Attitude Recovery
• High Angle of Attack maneuvering
• Multiple Aircraft Operations
• Formation & Aerobatic Maneuvers
• Instrument and Navigation training
• Takeoff and Landing
• Motion Sickness Desensitization
• Mishap Recreation and Investigation
• Night Flying

SPECIFICATIONS

• 10-Foot Planetary Arm
• Electro-Mechanical Motion Drive System
• 360° Rotation in 4 axes; Planetary, Yaw, Roll, Pitch
• Maximum G Level: 6
• Onset Rate: 0.8 G/second
• Single seat, control stick
• Rudder pedals with control loading
• Multi-channel voice communication system
• Forced air ventilation
• 120˚ x 70˚ Field of View & real-world visual display
• Photorealistic airports
• Interchangeable cockpits configurations
• BIOPAK medical monitoring equipment
• Closed Circuit Television (CCTV) video capture & recording

VALUES

• Reduced loss of life and equipment through improved safety
• Realistic training and research tool to monitor subjects in controlled flight environment

www.NASTARcenter.com
The NASTAR Center PhoenixLITE Centrifuge is the highest performance flight simulator in the World. It provides a safe, controlled, and realistic flight environment for conducting research and training. The Phoenix-LITE Centrifuge is able to replicate the flight dynamics, performance, and flight fidelity of a given vehicle. It provides authentic simulation of the acceleration, vibration, and multi-axes (in Gz and Gx) orientation of the flight environment.

Interchangeable modules are used in conjunction with the Phoenix-LITE Centrifuge and can be either piloted or passenger-oriented. Standard aviation and space modules are available, and customized modules can be built by request. Modules can be switched out in less than one hour allowing for maximum efficiency when flying multiple vehicles in a day.
PHOENIX-LITE CENTRIFUGE

APPLICATIONS

• Space Training
• Civilian Training
• Military & High G training
• High risk maneuvers training
• Nominal/off-nominal
• Mission rehearsal

SPECIFICATIONS

• 25 foot arm
• 6 G Max acceleration
• 3 Gs/sec onset rate
• 1000 lbs max payload
• BIOPAK Medical monitoring system
• Pressurized oxygen and breathing air
• Anti-g suit connections
• CCTV camera for front and side views
• Voice communication system
• Interchangeable air/space Cockpit Modules
• Virtual outer space and real-world visuals

VALUES

• Eliminates risk in initial and refresher learning
• G-Pointing for real-time Gs during maneuvering
• Replicates flight dynamics
• Safely explore sair/space craft performance envelope with various configurations
• Full fidelity simulation
• Data linking capability to Cockpit Modules of other simulators via HLA

www.NASTARcenter.com
The NASTAR Center Hyperbaric Chamber is a single-person occupancy (monoplace) pressure chamber used to deliver high levels of oxygen to occupants to increase oxygen in the blood using Hyperbaric Oxygen Therapy (HBOT). Hyperbaric Chambers work by increasing pressure, thereby reducing the size of any air/gas bubbles in bloodstead and improving the transport of blood to tissues, organs, and extremities. Hyperbaric Chambers are commonly used in the training and treatment of decompression sickness, air embolism, medical treatment of deep wounds, skin grafts, burns, carbon monoxide poisoning, and gas gangrene, and any damages to other tissues and organs. Research is ongoing to determine if HBOT can be used to treat traumatic brain injuries and autism.

The NASTAR Center BARA-MED XD (manufactured by parent company ETC) is computerized and incorporates SMOOTH RIDE technology, a patient friendly pressurization alternative software, that minimizes complications due to middle ear and sinus barotraumas without increasing compression time.
HYPERBARIC CHAMBER

APPLICATIONS

- Underwater Physics and Physiology
- Decompression Sickness & Injury
- Underwater Hazards
- Damaged tissues and organs
- Barotrauma
- Gas Embolism
- Deep Wounds & Burns

SPECIFICATIONS

- 700 pound capacity
- Max operating pressure: 3 ATA (29.4 psi)
- Pressurization/Depressurization rate: 0.5 to 5 psi/min
- Internal length x diameter: 89in. x 33.5in
- Transcutaneous Oxygen
- Medical monitoring capability
- IV infusion
- General-purpose electrical penetrations for critical care
- Respiratory support
- General-purpose pneumatic penetrations
- Passive pressure relief mattress
- Adjustable height gurney
- SMOOTH-RIDE pressure-change technology
- Suitable for pressurization with air or oxygen

VALUES

- Computer-based operation is helpful for efficient treatment and electronic record of treatment
- Patient call button, two-way communication, and see-through chamber reduce claustrophobia related symptoms
- Valuable tool in training and treatment of various pressure-related scenarios
- Full fidelity simulation
- Data linking capability to Cockpit Modules of other simulators via HLA

www.NASTARcenter.com
GYM EQUIPMENT

The NASTAR Center’s GYM equipment is a suite of three physiologic training devices that work to improve balance, coordination, and task-saturation in flight. The three devices called the Wheel, the Gyro, and the Loop, combine with a rigorous physical fitness curriculum that desensitizes pilots to aviation environments. The GYM Equipment is used in medical screening and selection of pilot candidates, in human performance evaluations, and can be outfitted with physiological parameter measurement equipment. Synchronized exercises can contribute to individual and collective concentration and coordination during advanced maneuvers and formation flight.
APPLICATIONS

- Vestibular Desensitization
- Physiologic Conditioning
- Medical Screening & Monitoring
- Pilot Selection
- Task Load Control Evaluation
- Concentration Enhancement
- Balance & Movement Improvement
- Formation Flying Coordination

SPECIFICATIONS

- The Wheel: crossing and parallel rotations
- The Gyro: three (3) simultaneous axial rotations
- The Loop: simultaneous pendular, front-plan, & crosswise rotations

VALUES

- Able to monitor trainee in conjunction with biomedical monitoring devices
- Enhance state of balance and coordination of pilots
- Improve personal physical fitness
- Improve overall concentration and task management

www.NASTARcenter.com
The GAT-II General Aviation Trainer is an Federal Aviation Administration (FAA) certified flight training device (FTD) used in pilot screening and selection, basic flight training, instrument training, and spatial disorientation training. The GAT-II features an enclosed cockpit, single reciprocating engine, realistic flight control, and high quality out-the-window visual display that is precisely coordinated with a multi-axes motion system to provide a highly realistic learning environment.
APPLICATIONS

• Basic flight training
• Instrument and navigation training
• GPS panel training
• Mishap prevention training
• Basic spatial disorientation training
• Basic situational awareness training
• Basic emergency procedures training
• Partial panel training

SPECIFICATIONS

• Pitch +/- 12°
  o Speed: 0 to 8°/sec^2
  o Acceleration: 0.5°/sec^2 to 8°/sec^2
• Continuous Yaw +/- 360°
  o Speed: 0-25 RPM
  o Acceleration: 0.5°/sec^2 to 15°/sec^2
• Roll +/- 20°
  o Speed: 0 to 10°/sec^2
  o Acceleration: 0.5°/sec^2 to 10°/sec^2
• Fixed wing or helicopter configurations
• Reciprocating, turboprop, or jet engine models
• Selectable Airports (USA)
• Selectable meteorological conditions and malfunctions

VALUES

• FAA Certified Flight Training Device (FTD) level 2
• Realistic flight instruments & controls provide realistic training environment for beginning pilots
• Integrates with Pilot Selection System for total pilot screening and training tool
• Aircraft-specific cockpit configurations, visual database, and flight models able to be customizable to suit training needs

www.NASTARcenter.com
The loss of Situational Awareness (SA) and/or Spatial Disorientation (SD) is common in aviation and can occur day or night regardless of a pilot’s skill level. Simply, the human body was not intended to operate in the highly dynamic environment aviation presents. The SA/SD course will provide aviation professionals with the knowledge and practical experience needed to prevent or recover from a loss of SA or SD. Using NASTAR Center’s unique training simulators, aviators can gain the experience and confidence needed to recognize critical human limits—limits just as important to understand as aircraft limits.

TRAINING UTILIZES THE GYROLAB GL-2000

BENEFITS:
- Comprehensive knowledge to prevent or recover from SA/SD events
- Practical experience through a variety of simulated SD illusions
- Confidence to handle unexpected situations
SITUATIONAL AWARENESS & SPATIAL DISORIENTATION (SA/SD) TRAINING

CONTENT

ACADEMICS
• Defining Situational Awareness (SA) and Spatial Disorientation (SD)
• Factors affecting SA
• SA and Controlled Flight Into Terrain (CFIT)
• Human perception limits and their impact in aviation
• Human factor errors due to the loss of SA and/or SD
• Spatial Disorientation – Visual Illusions
• Spatial Disorientation – Vestibular Illusions
• Strategies to prevent the loss of SA or SD

FLIGHT SIMULATION – 2 SESSIONS
• Spatial Disorientation Training Flights
  o Visual Illusions in Flight
  o Vestibular Illusions in Flight

REGISTRATION
NASTAR training center is located at 125 James Way in Southampton, PA, 18966, USA. To schedule training, please call 866.482.0933 or 215.355.9100 x1502. You can also email us at info@nastarcenter.com or pcomtois@nastarcenter.com

www.NASTARcenter.com
Loss of Control In-flight (LOC-I) remains the number one cause of aviation fatalities across all levels of aviation. This skills-based course provides pilots with important information regarding the loss of control so that upsets can be prevented from occurring. Using our unique simulation capabilities, pilots will also be able to experience g-forces and other realistic in-flight conditions while practicing recovery techniques. Accomplishing UPRT has become a vital part of an aviator’s career.

COST: $2,500
DURATION: 1.5-Days
PREREQUISITES:
- Commercial Pilot and FAA Class III medical certificate or equivalent

TRAINING UTILIZES THE GYROLAB GL-2000

BENEFITS:
- Comprehensive academic knowledge to aid in the prevention of upsets
- Practical experience through a variety of simulated upset scenarios
- Real experience understanding and applying g-forces in an upset situation
- Latest information regarding LOC-I
UPSET PREVENTION & RECOVERY TRAINING (UPRT)

CONTENT

ACADEMICS
- Introduction to Upset Prevention & Recovery Training (UPRT)
- Background on the Loss of Control In-flight (LOC-I)
- UPRT Core Concepts
- The Upset Domain and why it differs from the Normal Domain
- Prevention and Recovery techniques
- Review of relevant LOC-I accidents and incidents
- Operating limits of aircraft

FLIGHT SIMULATION – 5 SESSIONS
- UPRT Familiarization
- UPRT Core Concepts
- Upright Upsets
- Inverted Upsets
- Final Review

REGISTRATION

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www.NASTARcenter.com
ALTITUDE AWARENESS
(ALTITUDE CHAMBER)

As aircraft operations continue to occur at higher altitudes, it is even more important to recognize the dangerous of the high altitude flight environment. The Altitude Awareness course provides participants with vital information regarding hypoxia, rapid decompression, time of useful consciousness, and other dangers of flying. The academic information presented is then reinforced in an altitude chamber that allows participants to recognize critical hypoxia and other symptoms, raising the overall awareness of dangers that can occur and how to respond.

COST: $500
DURATION: 1/2-Day
PREREQUISITES:
FAA Class III medical certificate or equivalent

TRAINING UTILIZES NASTAR’S ALTITUDE CHAMBER

BENEFITS:

• Actual flight environment experience in our altitude chamber
• Comprehensive information that covers key physiological factors of flight
• Confidence to respond appropriately if a cabin altitude emergency occurs
ALTITUDE AWARENESS (ALTITUDE CHAMBER)

CONTENT

ACADEMICS
• The physical, physiological, and psychological stresses of high altitude flight
• The physiological deficient zone (Operations above 10,000 feet MSL)
• Common Hypoxia and Hyperventilation symptoms
• Hypoxia and Hyperventilation management
• Types of Rapid Decompression
• Recovery from a Rapid Decompression event
• Oxygen and its impact on Vision
• Time of Useful Consciousness (TUC)

FLIGHT SIMULATION
• 25,000’ Maximum Altitude
• Ear and Sinus check
• Hypoxia Demonstration
• Night Vision Demonstration
• Rapid Decompression event

REGISTRATION

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LAND & WATER SURVIVAL

This program is designed with Survival Systems, USA, to provide pilots, crew, and passengers with the knowledge and skills needed to survive unanticipated land or water landings and/or other episodes where rescue may be required.

BENEFITS:
- Learn factors that cause water and land emergencies
- Know your ability to escape from aircraft
- Experience simulated crashes & survival situations first-hand

COST: $1850
DURATION: 2-Days
PREREQUISITES: FAA Class III medical certificate or equivalent
LAND & WATER SURVIVAL

CONTENT

ACADEMICS

• On-Board Hazards and Emergencies
• Fire Fighting in the Cabin/Cockpit
• Evacuation and Escape
• Vehicle Ditching Scenarios & Techniques
• Search and Rescue
• Safety and Survival Equipment Utilization and Deployment
• Effects of Hypothermia and Hyperthermia, Mitigation and Survival
• Survival Psychology
• Personal Rescue Techniques (signaling, flotation devices, etc)
• Fire and Shelter Wilderness Survival Techniques
• First Aid/Medical Scenarios
• Dry/Wet Evacuation Training Through an Emergency Exit on Water

REGISTRATION

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