# TECHNICAL



OPERATIONS



#### **OUR MISSION**

**PSDS** is a division of Technical Rescue International which is an internationally recognized training organization. We put first responders and their safety as first priority. All our programs are endorsed by Fire Rescue, Law Enforcement, Search and Rescue, EMS and Military personnel from all across the country. Our training is realistic, individually focused, hands-on and rigorous. PSDS is always searching for safer rescue methods that minimize risk to rescue professionals, while saving the lives of those who find themselves in distress. Our motto is – **SEMPER EXCELSIUS** – Always Higher

**Train·ing** 

/trāniNG/

Noun

noun: **training**—the action of teaching a person a particular skill or type of behavior

Our professional instructors know mistakes can be detrimental to a timely rescue, and the difference between a rescue and a recovery is time. We employ the KISS methodology.... Keep it simple and safe. All instruction is dynamic and always takes into consideration "real-world and realistic conditions." Students will use critical thinking and understand the importance of communicating during the rescue effort. Risk management is always considered and is an important key to any successful mission. **EVERYONE GOES HOME SAFELY**—Our programs meet and exceed National Fire Protection Association (NFPA), OSHA and individual STATE standards.

#### We Believe:

- Training is about doing it right time after time until the action becomes a reaction
- Do it right the first time... bad habits create bad results
- You don't have a plan until you have a back up plan..two is one, one is none
- + Training in real life conditions... adverse conditions
- ◆ Swim evaluations.. If you can't save yourself, you can't save anyone
- ◆ NEVER a TIME that two dead are better than one dead
- Keeping personnel OUT of hazardous environments
- Any rescue professional should know HOW; a good rescue professional knows WHY
- We believe Jesus Christ is the ultimate Rescuer

DYNAMIC SAFETY FIRST

### HIGH ANGLE RESCUE ROPE COURSES

**FOUNDATIONAL ROPE COURSE** 

ROPE RESCUE LEVEL I

ROPE RESCUE LEVEL II

**TOWER AND TURBINES** 

HELICOPTER RESCUE OPERATIONS

#### **Course Description:**

Duration: 24-40 contact hours, depending on course

This course is designed to develop the knowledge and skills necessary for basic rope operations during an emergency response. We explore the fundamentals for high angle rope rescue operations. This course emphasizes development of foundational skills which are requisite for most TRI+ courses.

A heightened level of understanding comes from critical thinking and systems analysis – two characteristics of TRI+. As educators in the craft, it is our intent to explain and demonstrate both the how's and the why's behind the systems and devices we recommend.

Each day will be a combination of lectures, demonstrations and discussions, along with practical hands-on field sessions. Participants can expect a dynamic training environment that fosters improved decision-making, as well as development of fundamental tactile skills.

TRI+ Ropes, Knots and Mechanical Operations I – Fundamentals curriculum includes skills outlined in NFPA 1006-2017 edition, Operations Level for Rope Rescue.

- High angle environment
- Low angle environment
- Anchoring
- Personal equipment and protection
- Rope and related equipment
- Basic high angle hardware

- Rappelling
- Basic ascending techniques
- Rescue belaying
- Use of litters
- · High angle lowering
- Hauling systems
- · Rigging inspections





#### **Student Requirements**

- Minimum age 18
- Current CPR
- Current First Aid BLS
- Associated with Public Safety
- Proof of good health

#### **Pre-Requisites:**

- Level I course requires proficiency with knots and hitches.
- Level II course requires Level I course completed within two years.
- No medical contraindications

#### Why take a TRI+ Technical Ropes Course?

TRI+ Technical Ropes training courses, equipment and rigorous teaching methods have been endorsed by fire departments and law enforcement agencies across the country.

Our **Technical High Angle Ropes Course** training is realistic, departmentally focused, hands-on, and strives for nothing less than professional excellence. While high angle rescue often involves a great deal of planning and preparation, we also have a great deal of dynamic training under very realistic conditions. TRI+ instructors bring plenty of gear and a wealth of knowledge. Our students are taught to "think outside the box". TRI+ training meets and exceeds National Fire Protection Association (NFPA), OSHA and STATE standards. NFPA 1670,1006,1983,1952







### SWIFTWATER RESCUE LEVEL I

#### SURFACE WATER RESCUE OPERATIONS

#### AWARENESS | OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 20+ contact hours** 

Our moving water programs are specifically designed for public safety. The Swiftwater Level One program offers you basic training in swiftwater rescue, which meets and exceeds NFPA guidelines. We examine low to high-risk scene management with the best and most effective rescue methods. We focus on keeping the public safety rescuer safe limiting the exposure to unnecessary risk and the potential liability for them and the department. Many of the basics are covered such as reach, throw, row and contact rescues.

- Pre-plan response area
- · Coordinating with mutual aid departments
- · Write an effective SOP and SOG
- Understand when "No Go" is appropriate
- Calculating water speed CFS, CFM and KNOTS
- Understanding anchors, proper knot tying and placement
- Setting up low angle rigging systems
- PSDS water rescue system and nets for victim extraction
- Rapid "Z-system" line set up and proper technician deployment
- Proper handling of patients to prevent further injury
- Prevention of costly equipment purchasing mistakes







# Student Requirements

- Minimum age 18
- Current CPR
- Current First Aid BLS
- Associated with Public Safety
- Proof of good health
- Must be a proficient swimmer
- No medical contraindications

# Why take a TRI+ Swiftwater Rescue Level I Training Course?

Our Swiftwater Training is realistic, individually focused, hands-on and committed to professional excellence. Our training is dynamic and we create scenarios that mimic realistic conditions. Our students are taught to handle swiftwater emergencies, no matter where or when they occur. TRI+courses meet and exceed NFPA, OSHA, P.O.S.T. and individual STATE standards. In addition, our water operation programs meet and exceed NFPA 1670,1006, 1952 and 1983 standards.



### SWIFTWATER RESCUE LEVEL II

#### SURFACE WATER RESCUE TECHNICIAN

#### OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 16+ contact hours** 

Our moving water programs are specifically designed for public safety first responders. The Swiftwater Level II program offers advanced training in swiftwater rescue. This course meets and exceeds all three levels of the NFPA guidelines (awareness, operation and technician). We examine low to high-risk scene management while incorporating the best and most effective rescue methods. We focus on keeping the public safety first responder safe, while limiting exposure to possible risk and liability for them and their department. More advanced rescue techniques are exercised such as; high angle rope work, the use of bridges and fire line deployment techniques. Our Swiftwater Level II employees contact "go" rescues with boat based operations.

We understand the limited amount of time public safety first responders spend on moving water. We emphasize the importance of rescue technicians possessing strong swimming skills. We also stress the importance of safety in all aspects of rescue operations. We recognize the importance of having a "B" or "C" plan in place. You should too!

By the end of this course, the rescuer will have gained the knowledge and the skills to conduct a "contact victim go rescue" in a safe and effective manner.

- Offensive survival swimming skills
- High angle rigging
- Dynamic anchoring systems
- In-water swift water survival skills
- Haul systems
- Rapid planning for rescue
- Boat-based rescue operations

- Safe patient handling techniques
- Bridge rescue operations
- Spinal board usage
- Medical considerations
- Agency coordination
- Search and recovery operations







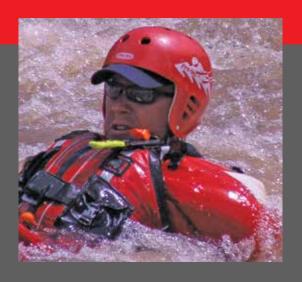
# Pre-Requisites:

• Level II course requires Level I course completed within two years.

No medical contraindications

#### Why take a TRI+ Swiftwater Rescue **Level II Training Course?**

Our Swiftwater Training is realistic, individually focused, hands-on and committed to professional excellence. Our training is dynamic and we create scenarios that mimic realistic conditions. Our students are taught to handle swiftwater emergencies, no matter where or when they occur. TRI+ courses meet and exceed NFPA, OSHA, P.O.S.T. and individual STATE standards. In addition, our water operation programs meet and exceed NFPA 1670,1006, 1952 and 1983 standards.



### SURFACE ICE RESCUE LEVEL I

#### SURFACE ICE RESCUE COURSES

#### STATIC ICE RESCUE LEVEL I

#### AWARENESS | OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 20+ contact hours** 

The level I system we put in place is for rescue scenarios which involve shorter ranges, less than 225 feet from shore to victim, for rapid deployment. We examine incidents from the past that may be indicative of future outcomes. We teach the department simple drills to stay focused. We focus on communications, hand signals and effective whistle signals that minimizes rescuer task overload. We realize that more victims are seriously injured from the point of extrication to the ambulance. We teach proper handling and care of all victims. We emphasize the importance of pre-planning for the response area.

By the end of this course, the rescuer will have gained the knowledge and the skills necessary to be a safe and effective Surface Ice Rescue Technician. We offer the latest techniques that are in use, and examine why older methodology may put rescue technicians at risk. We guarantee you'll be a safer first responder!



- Proper donning of protective gear
- Victim extrication
- Patient handling
- Self-rescue scenarios
- Team operations Who should be doing what?
- Write an effective SOP and SOG
- Advanced equipment and rescue techniques

- Stages of hypothermia and its effects on rescuer and victim
- Safer animal rescue techniques
- "No go" incidents examination
- · Victim assessment
- U.S.C.G. Cold Water Boot Camp study
- Study Why ice rescues fall apart
- Awareness, operations, technician responsibilities







# Why take a TRI+ Static Ice Rescue Level I Training Course?

Our Surface Ice Rescue training is realistic, individually focused, hands-on and committed to professional excellence. Our training is dynamic and we create scenarios that mimic realistic conditions. Our students are taught to handle various surface ice rescue emergencies. TRI+ courses meet and exceed National Fire Protection Association (NFPA), OSHA and STATE standards. Courses are also GSA Advantage certified for government workers. NFPA 1670,1006,1983,1952



### SURFACE ICE RESCUE LEVEL II

#### SURFACE ICE RESCUE COURSES

STATIC ICE RESCUE LEVEL II

#### OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 16+ contact hours** 

The level II system we put in place is for rescue scenarios which involve rescuing victims from distances greater than 225 feet from shore and require rapid deployment. We focus on rescuing multiple victims using a more advanced "conveyor system" for fast and efficient extrication. The system uses an in-haul and out-haul method that will offer the rescuer rapid victim extrication from weak and unstable ice conditions.

During the Surface Ice Level II course we will emphasize proper handling and care for victims that are or may be hypothermic. We examine past rescue incidents and how they were handled to better prepare for safer more effective future rescues. This course is an extremely dynamic class that requires everyone on the shore to maximize a successful outcome. Our systems are completely colored coded to minimize confusing communication.

By the end of this course the rescuer will have more knowledge and will be safer and more effective with multiple victims at longer ranges.

- · Long-range rescues (greater than 225 feet)
- Multiple victim extrication
- · Advanced system set-up
- Ropes and rigging
- Dynamic in-haul and out-haul operations
- Color-coded systems for the best communication practices
- Advanced equipment and rescue techniques
- Advanced care for hypothermic patients
- Leap Frogging methodology







- Associated with Public Safety
- Proof of good health
- Must be comfortable in cold water
- No medical contraindications

#### Pre-Requisites:

• Level II course requires Level I course completed within two years.

# Why take a TRI+ Static Ice Rescue Level II Training Course?

Our Surface Ice Rescue training is realistic, individually focused, hands-on and committed to professional excellence. Our training is dynamic and we create scenarios that mimic realistic conditions. Our students are taught to handle various surface ice rescue emergencies. PSDS courses meet and exceed National Fire Protection Association (NFPA), OSHA and STATE standards. Courses are also GSA Advantage certified for government workers. NFPA 1670,1006,1983,1952



### **FLOOD RESCUE TRAINING**

#### URBAN FLOOD RESCUE TRAINING

#### AWARENESS | OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 6-24 contact hours** 

Our Urban Flood Rescue program is specifically designed for public safety personnel. The Urban Flood Rescue program offers insight to mitigate natural and man-made hazards which will result in safer practices. TRI+ continues to exceed all three levels of the NFPA guidelines (awareness, operation and technician). We examine low to high risk scene management and have developed the best and most effective rescue methods for those scenarios. We focus on keeping the rescue personnel safe. Proper training limits the rescuer and their department to unnecessary risk and liability. We believe everyone has the potential for a flood, it's only a matter of time. We know from studying past situations, what we may experience in the future. TRI+ believes knowledge is power. We start at the basics and progress to more advanced levels of training.

Floods can be devastating and are highly destructive in nature. Most of the time a flood can happen within minutes with no warnings.

During the Urban Flood Rescue program, we emphasize pre-planning in order to be ready when an emergency happens. We look at past flood scenarios and examine how they were managed. We can discover better and more effective methods to prepare for safer future outcomes. This is a dynamic, informative class that everyone in public safety should have.

By the end of this course you will have more knowledge with a better understanding of risk and rescue response. Be prepared when your response area experiences the 100 year flood.

- Pre-planning operations It starts here!
- · Hazards you may encounter
- · Force of water
- Speed of water and its dynamics
- Rapid response deployments
- Department capabilities, resources and mutual aid
- Systems to help keep rescue personnel safe
- Staging where should we go?
- · Natural hazard assessment
- · Vulnerability assessment
- Risk assessment







# Why take a TRI+ Urban Flood Rescue Training Course?

TRI+ has a comprehensive Urban Flood Rescue training program that all public safety personnel should have to be safe and more proactive to any flood response. As climates continue to change across the country and with the existence of more drought like conditions, there is potential for catastrophic flood situations to arise. From the emergency managers who do the planning, to the boots on the ground who perform the rescue service, everyone should be properly trained, be knowledgeable and prepared in the event of any flood situation. This program incorporates the resources of fire service, law enforcement, search and rescue, along with emergency medical professionals.





### **SMALL BOAT OPERATIONS**

#### SMALL BOAT OPERATIONS COURSE

#### AWARENESS | OPERATIONS | TECHNICIAN

#### **Course Description:**

**Duration: 20-32 contact hours** 

Our Small Boat Operations course is designed specifically for emergency responders. The framework of our course is structured to provide all the skills necessary to become proficient with small boat operations in static and moving water environments. Upon successful completion of our small boat operations course you will be able to conduct a safe search and rescue operation. This course is in accordance with the National Boating Education Standards.

Our Small Boat Operations course is part of the universal standard of training, qualifications, credentials and typing for emergency responders. This course will equip you to work with other teams in your area which are trained with the same standardized methods.

A key element of this course is preparation of the participants to perform the tasks necessary to be safe, confident and qualified to execute a small motorized boat rescue operation.

- Risk Factors and Team Coordination
- Static and Moving water applications
- · Use of trailers
- · Vehicle maneuvering
- Boat Characteristics
- Boat Handling
- · Piloting vessel
- Navigation
- Search and Rescue Operations
- Rescue Assistance
- Emergency Procedures





# Why take a TRI+ Small Boat Operation Course?

TRI+ Small Boat Operations course, equipment and rigorous teaching methods have been endorsed by fire departments and law enforcement agencies across the country.

Our Small Boat Operations Course is realistic, department focused, hands-on, and strives for nothing less than professional excellence. While the use of motorized boat operations often involves a great deal of pre-planning and preparation, we are committed to realistic training in realistic conditions. TRI+ instructors bring plenty of gear and a wealth of knowledge. Our students are taught to "think outside the box". TRI+ training meets and exceeds National Fire Protection Association (NFPA), OSHA and STATE standards. NFPA 1670,1006,1983,1952







### **PUBLIC SAFETY DIVE OPERATIONS**

#### PSD SPECIALTY INSTRUCTION

#### BASIC TO INSTRUCTOR LEVEL COURSES

#### **Course Description:**

**PSD I** - This entry level emergency response diving course is designed to give the public safety diver the fundamental skills needed to safely function as part of a public safety dive team. PSD I is OSHA, STATE and NFPA compliant. **Duration: 24 contact hours** 

#### **Highlights:**

- Recreational vs.
   Public Safety Diving
- Problem Solving
- Tending Skills
- Search Patterns

- Evidence Handling
- · Victim Recovery
- Decontamination Procedures
- Minimize costly equipment mistakes

#### **Course Description:**

**PSD II** - The PSD Level II course enables the public safety diver to develop detailed working knowledge and advanced skills in emergency response diving. Our PSD II course utilizes dry suits and full face masks as part of the dive operation. A must have class for any dive team member. **Duration: 16 contact hours** 

- Dry Suit Utilization
- Full Face Mask Utilization
- · Redundant Air Utilization
- In-depth search calculations
- Air Consumption calculations
- Tender search profiling
- Court Ready Documentation procedures





#### **Student Requirements**

- Minimum age 18
- Current CPR
- Current First Aid BLS
- Associated with Public Safety
- Proof of good health
- Proof of Basic Open Water Certification
- Full Face Mask (optional)
- Dry Suit (optional)

# Why should you take a PSDS Dive Operations Course?

PSDS Public Safety Dive training program, equipment and rigorous teaching methods have been endorsed by fire departments and law enforcement agencies across the country.

Our Public Safety Dive training is realistic, demanding and individually focused, hands-on, and strives for nothing less than professional excellence. During our training there is a great deal of dynamic training under very realistic



conditions. PSDS instructors bring a wealth of knowledge and real world experience. Our students are encouraged to ask questions. After all, there has to be a reason why we do what we do. It will be the best Public Safety Dive training you will ever take. PSDS training courses meet and exceed National Fire Protection Association (NFPA), OSHA, AAUS and STATE standards. NFPA 1670,1006,1983,1952.



## PS DIVE SPECIALTY INSTRUCTION

PUBLIC SAFETY FULL FACE OPERATIONS/ TECHNICIAN

PUBLIC SAFETY CONTAMINATED WATER DIVING

PUBLIC SAFETY DRYSUIT INSTRUCTION

**U/W CRIME SCENE INVESTIGATIONS** 

U/W EXPLOSIVE RECOVERY

**U/W THREAT ASSESSMENT** 

**PUBLIC SAFETY SMALL BOAT** 

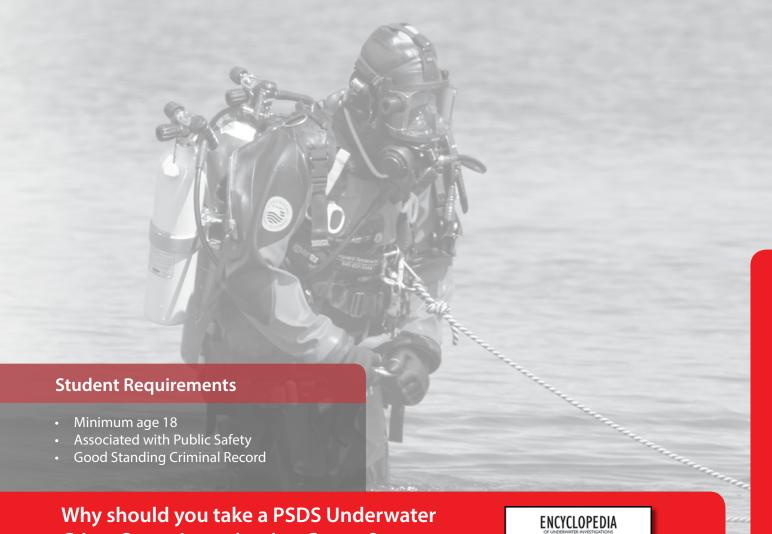
**SURFACE SUPPLIED AIR** 

SCIENTIFIC DIVER PROGRAMS (MEETS AAUS STANDARDS)









# **Crime Scene Investigation Course?**

This Independent Study Certification Course content is approved by the American Board of Medicolegal Death Investigators (ABMDI) and the International Association of Identification (IAI) through Public Safety Dive Services.

The Encyclopedia of Underwater Investigations Independent Study Certification Course book is designed as a self-study companion certification course to the Encyclopedia of **Underwater Investigations.** 

The Second Edition of Corporal Robert Gordon Teather's pinnacle text is now updated to include new tools and technologies used by today's underwater investigators. Many individuals working in the fields of investigation and public safety diving have supplied their expertise to update Robert Teather's original text, thus creating an enduring resource for public safety divers and underwater investigators for years to come.

Send in the exam, we will grade it, if score 80% or above, we issue you a Certification Card.





### **AIR DIVISION**

#### VISUAL CYLINDER INSPECTION COURSE

#### **FILL STATION OPERATOR COURSE**

#### **Course Description:**

**Duration: 6 contact hours** 

Visual Cylinder Inspection is an important step to determine the safety of a pressurized cylinders. We liken it to the phrase "an ounce of prevention is worth a pound of cure." Any person handling a pressurized cylinder of 29 psig / 2 bar or higher is mandated by government regulations to be trained in the handling of cylinders which is stated in OSHA Standards 1910.101

- · Composite, Aluminum, and Steel Cylinders
- Rules and Regulations—the laws governing cylinders
- 21 Point Inspection Procedure Checklist
- Fill Station Operations (additional training)
- Hydrostatic Testing
- Cylinder Cleaning Procedures
- · Valves and how they operate
- Fill Station requirements
- · Compressors and the nuances, do's and don'ts
- · Records and Liability
- Safety







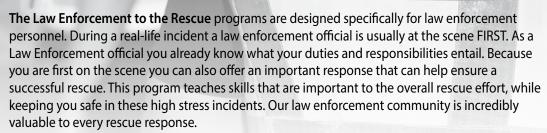
government regulations to be trained in the handling of cylinders which is stated in OSHA Standards 1910.101



# LAW ENFORCEMENT TO THE RESCUE

#### LAW ENFORCEMENT RESCUE TRAINING





#### The topics we cover:

- + Awareness for rescue response
- + Scene Safety Protocols
- + Situational awareness factors
- + Triaging victims
- + Rescue Response Protocols
- + Understanding Rescuer's needs
- + Understand victim physiology
- + Equipment for L.E. rescue response

#### Occupations include:

- + Flood Rescue Response
- + Swiftwater Rescue Response
- + Static Ice Rescue Response
- + Boat Operations Response



4-HOUR CLASS

Awareness Level



# **HOSTING OPPORTUNITIES**

🖶 POLICE 🖊 SAR 🖐 EMS 🖐 FIRE RESCUE



Contact PSDS to Schedule a Training Event

844-335-PSDS (7737) techrescue.net | www.psdive.com info@psdive.com





#### **Hosting Benefits**

- Discounted student fees with 25 paid
- Marketing flyer provided
- Discounted student fee
- Discounted re-certification fee
- Rental equipment at reduced rates
- Host a Level II and save big
- Repeat customer savings

#### **Hosting Requirements**

- Minimum 6 students from host
- Minimum 12 students
- Maximum 25 students
- Must solicit and market class
- Free lodging and travel expenses with 25 paid participants

Visit our **TRAINING IN ACTION** on YouTube!







844-335-PSDS (7737)
PSDIVE.COM | TECHRESCUE.NET