

Overview: Fundamentally, we expect that participants should have the paddling skills, technical knowledge, rescue ability, teaching ability, group management, and interpersonal skills commensurate with this level of certification prior to presenting themselves for evaluation as Instructor Candidates at an Instructor Certification Exam (ICE).

Essential Eligibility Criteria (EEC):

ACA courses are open to all individuals who acknowledge the ability to perform the following essential eligibility criteria.

- 1. Breathe independently (i.e., not require medical devices to sustain breathing)
- 2. Independently maintain sealed airway passages while under water
- 3. Independently hold head upright without neck / head support
- 4. Manage personal care independently or with assistance of a companion
- 5. Manage personal mobility independently or with a reasonable amount of assistance
- 6. Follow instructions and effectively communicate independently or with assistance of a companion
- 7. Independently turn from face-down to face-up and remain floating face up while wearing a properly fitted life jacket*
- 8. Get on / off or in / out of a paddlecraft independently or with a reasonable amount of assistance*
- 9. Independently get out and from under a capsized paddlecraft*
- 10. Remount or reenter the paddlecraft following deep water capsize independently or with a reasonable amount of assistance*
- 11. Maintain a safe body position while attempting skills, activities and rescues listed in the appropriate Course Outline, and have the ability to recognize and identify to others when such efforts would be unsafe given your personal situation*

Course Prerequisites: Current ACA Instructor Certification at Level 4: Whitewater Canoe or Level 4: Whitewater Kayaking (minimum)

Course Duration: ICE (1 Day Minimum – 8 Hours)

Course Location / Venue: A deep chute of water with well-defined eddy lines and no immediate hazards or risks below. The site may include moving water, class I rapids, and class II rapids. Protected space is needed for on-land work, with adequate shelter for inclement weather.

^{*} To participate in adaptive programs, participants must acknowledge only the first six EEC listed above. Entry-level adaptive programs will involve teaching and practicing EEC #7-11.



Boat/ Personal Equipment: Properly outfitted canoe or kayak appropriate for venue. PFD designed for whitewater use, whitewater helmet, protective clothing suitable for extended swimming in cold water, protective footwear, boat, paddle, whistle and throw rope.

Class Ratio: 12 Instructor Candidates: 1 Instructor Trainer; with an additional instructor the

ratio can be 24:2

Succeeding Levels of Certification:

Level 4: Swiftwater Rescue

Level 5: Advanced Swiftwater Rescue

The following is a sample ICE specifically designed to allow currently certified L4: WWC / L4:WWK Instructors to be certified at L3: RSR.

L4:WV	VK Instructors to be certified at L3: RSR.
Genera	al Requirements for all Instructor Certifications:
	Be at least 18 years old
	Meet the appropriate essential eligibility criteria
	Successfully complete an Instructor Certification Workshop (IDW & ICE)
	Be a full ACA member
	Upon successful completion, register with the Safety Education & Instruction Council
	Have and maintain First Aid and age appropriate CPR
	Demonstrate a general knowledge of paddlesports and the ACA
	Demonstrate the ability to appropriately perform and teach all of the following material unassisted in the appropriate venue
	Instructors are expected to be able to demonstrate, teach, and model everything on the official ACA skills course and assessment course outlines which correspond to their level/craft.
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Mainto	enance Requirements:
	Teach at least two courses that meet ACA standards within the four-year certification period and report the results to the National Office
	Complete an Instructor Update, at the highest level of certification, during the four-year certification period
	Maintain ACA membership and SEIC registration annually
Introd	uction
	Introductions and expectations
	Class overview – review of ICE requirements and process
	Waivers and medical forms
	Safety plan- Site logistics
Rescue	e Philosophy
	Accident avoidance and proactive rescue
	o accident timeline
	o prevention and "what if?" strategy SRC/SEI - 03/2018



	 prior planning for accident management Priorities me, my group, bystanders, the victim
	o simple and fast to complex and slow
	Liability and Ethical issues
	Trip Organization
	Trip planning principles
	Emergency action plan
	o lead and sweep
	o know the group, the river and the weather
	o plan the trip and communicate the plan
Scene	Management
	Locate, access and assess, stabilize and transport
	Prioritizing the rescue
	Most rescues performed quickly, without a formal structure
	Larger groups and longer rescues often need more structure
	Incident Command structure
_	o leader
	o safety
	o rescuer
	Complete the rescue without compounding the situation
	Communication (AW signals)
	o hand and whistle signals
	o cell phone or radio if appropriate
Medic	al Issues
	NOT a first aid class; perform medical care to your level of training
	Don't make the situation worse
	Obtain more training; calling 911 is rarely an effective option
П	Rescuers should be familiar with common medical problems including hypothermia, drowning,
	cuts and scrapes, and dislocations/broken bones.
	CPR and wilderness first aid skills are essential for rescuers
	of R and winderness first and skins are essential for research
Equip	
	Protection from rocks and water
	o shoes, helmet, PFD
	Thermal protection
	o wet suit vs. dry suit, wool vs. synthetics, avoid cotton in cold/wet conditions
	Personal rescue gear
	o boat, paddle, whistle, throw rope, knife, saw, first aid kit, rescue PFD
	Group rescue gear
	o specific needs depend on the river paddled and local weather
	Survival equipment
	o specific needs depend on the river paddled and local weather
	DCC/SEL 11/2015



Throw Ropes

	Selection based on rope material, diameter, and length
	Advantages and disadvantages of traditional bags, waist bags, coiled lines
	Care of the rescue rope
	o avoid sun exposure, keep clean, avoid stepping on the line, avoid sharp or rough edges
	o when in doubt, replace the line
	Rope safety
	 avoid standing over lines, avoid tensioning lines perpendicular to current, keep your body out of loops in the line, consider clean line techniques, keep entire rope in bag to avoid accidental deployments
	Throwing and recovery zones
	o consider where the victim will land, don't make their situation worse
	Types of throws
	o over-arm (football and arc), underarm, side-arm
	o deploying less than full length for close targets
	Factors impacting an accurate throw
	o rope length and diameter, brush and trees, footing, distance to target, cold hands, practice
	Receiving the rope
	o hold over your shoulder, with hands on your chest and elbows tucked into stomach
	o rope should sit on the shoulder opposite the target shore (to set ferry angle)
	Belay techniques
	o hip belay, sitting, buddy, dynamic, tree
	o line on downstream side
	Coiling and re-throwing
	Vector pull to assist landing
	Stuffing techniques Malijala analysis and a second
	Multiple swimmers
	Figure 8 knot and figure 8 on a bight
Water	Hazards and Hydrology
	Rivers are powerful, predictable and persistent
	Subjective vs. objective hazards
	o poor judgment can be fatal
	o river hazards don't care if you don't recognize them
	o flooding dramatically increases risk
	Water reading (upstream and downstream Vs)
	Eddies and eddy lines
	Waves
	Hydraulics
	Strainers
	Horizon lines
	Undercut rocks, broaching rocks
	Foot entrapment risks



	Essential self-rescue tool Safe eddy rule, don't try to stand in swift current
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	Defensive and aggressive swimming & breathing techniques
	Defensive to aggressive transitions
	Conserving energy
	Crossing eddy lines
	Ferry techniques
	Swiftwater entries
	o modified belly flop; head and feet up, impact on the PFD
	o set ferry angle
	 protect face with crossed arms
	\mathcal{E}
	Handling strainers, holes and drops (discussion)
Wadin	ng
	Safe eddy rule
	Swim instead of fighting for marginal footing
	Water depth, water speed, and bottom conditions affect performance
	Maintain balance
	"Look with your toes"
	One person with paddle/prop
	Two person
Boat-b	pased rescue
	Often fastest and easiest technique for boaters, but potentially high risk
	Many uses for boats
	Ferries for people and equipment
	Tool to sprint for help
	Paddle recovery
	 throw, two paddles in hand, put in your boat
	Boat recovery
	 bulldozer or shove
	o set a ferry angle
	Self-rescue
	o hold boat and paddle in one hand when swimming with gear
	o set a ferry angle
	o boat stays downstream of victim
	Swimmer rescues and assists
	o assisting victims back into boats
	 strengths and limitations of canoes, kayaks and rafts stern and bow tows
	o stern and bow tows



	Avoid getting pinned or entrapped by recognizing hazards
	Pin mechanics o balance between gravity, friction, and force of water
	Types of pins
	o vertical, center broach, end to end, pinch pin
	Release by unbalancing forces
	Tag line on boat for recovery after release
	o consider what happens when the boat releases
	Stabilization line to support trapped victim Self-rescue
	o avoidance, high side to avoid inverting, wiggle off the rock, bail out
	If all participants are safe, waiting for low water may be a viable option
Entra	pment
	High risk; hands-on rescue places rescuers near the entrapping object
	Avoid by hazard recognition and appropriate swimming techniques
	Most commonly foot entrapments, strainers, or trapped in a boat Keep victim heads up with stabilization line
	Snag line to release foot entrapments
	shag me to release root enaupments
Scena	
	Debriefing to reinforce rescue priorities
Indivi	dual conferences
	instructor candidate evaluations (time will vary depending on number of candidates and other variables) L -
3 RSR	Instructor Performance Objectives
Venue	2: RSR instructor courses are taught on class II rapids.
	quisite: Current Level 4: Whitewater Kayaking or Level 4: Whitewater Canoeing instructor cation
Cours	e Objectives:
	comote proactive prevention of river accidents and injuries.
	evelop and practice key self-rescue skills.
	entify and avoid river hazards by understanding hydrology, hazards, and river features.
	ocus on fast, low-risk strategies for early management of river accidents
□ Pr	actice methods for recovering swimmers, and loose boats and equipment



General Instructor Objectives:		
	Focus on course objectives above and overall participant safety	
	Effectively and accurately demonstrate and teach all skills addressed in the skills course. Demonstrate an in-depth knowledge of all topics	
	Use a wide a variety of teaching styles and techniques in response to participant needs and logistic constraints. Demonstrate an effective knowledge of learning styles.	
	Develop a "critical eye" to help identify and solve common participant errors	
	Develop multiple techniques to help correct participant errors/inefficiencies	
	Manage each course module and the overall course according to ACA instructional best practices, and	
_	with strong attention to site- and course-specific logistics.	
	Choose appropriate sites for courses and specific drills.	
Co	urse Specific Instructor Objectives:	
Cla	ass Management	
	Collect and administer all appropriate course paperwork	
	Establish an appropriate learning environment	
Re	scue Philosophy	
	Focus on prevention and preparation as the keys to managing river accidents	
	Establish rescue priorities and apply them throughout the course	
	Focus on simpler, safer, faster techniques as highest priority	
Sco	ene Management	
	Describe common roles in the incident command system (ICS). Understand the differences between	
	formal (ICS) used by professional rescuers and the informal system used by recreational boaters.	
	Appropriately apply formal and informal incident command systems to course evolutions and	
	scenarios Establish / review appropriate communication techniques	
Ш	Establish / Teview appropriate communication techniques	
Me	edical Issues	
	Appropriately manage medical events during courses	
	Encourage participants to further their medical training	
	Understand how to obtain more advanced medical and rescue care at the teaching site, and recognize challenges associated with medical care in remote / aquatic environments.	
	chanenges associated with medical care in remote / aquatic environments.	
Eq	uipment	
	Focus on how to choose appropriate gear, instead of focusing on what the instructor personally prefers	
	Emphasize prior planning and practice when using rescue equipment	
	Understand the strengths and limitations of personal gear and rescue equipment	
Th	row Ropes	
	Discuss rope construction and characteristics desired in a river rescue rope	

☐ Discuss and demonstrate appropriate rope care



	Explain advantages and disadvantages of all throwing techniques
	Discuss and demonstrate appropriate belay techniques
	Discuss and demonstrate proper rope receiving techniques
	Discuss and demonstrate multiple techniques for re-stuffing bags
	Discuss and demonstrate multiple techniques for recoiling ropes
	Demonstrate a vector pull and discuss its applications to rope rescue
	Consistently throw a bag at least 30 feet to a swimmer in a rapid, using multiple techniques, including a coil.
	Coil and make a second accurate throw, to a victim in a rapid at least 25 feet away, within 30 seconds.
	Consistently throw a bag at least 30 feet and cross a stationary, on-land, 4 foot wide target, using multiple techniques, including a coil
Wa	nter Hazards and Hydrology
	Create effective teaching modules using blackboards, handouts, sand tables, video, etc., as well as
	using natural features while alongside a river
	Appropriately apply hydrology to site selection and to all in-water modules
Sw	imming
	Choose appropriate swimming venues, with lower risk to students
	Discuss and demonstrate appropriate techniques for entering rivers
	Discuss and demonstrate defensive and aggressive swimming techniques
	Effectively and repeatedly peel out, catch eddies and ferry. Effectively swim through waves and hydraulics
	Aggressively swim a downstream class I or higher whitewater course at least 75 yards long, with multiple ferries and eddy moves
	Discuss appropriate techniques for managing strainer, holes and drops
Wa	ading
	Discuss and demonstrate multiple wading techniques
	Choose appropriate techniques for application in other skill modules
	Discuss and demonstrate practical applications of wading solo with a paddle and wading with a partner
Bo	at-based rescue
	Paddle candidate's craft of choice effectively and comfortably in class I+ whitewater
	Demonstrate a working knowledge of all types of boat-based rescue, for all paddle craft
	Emphasize the importance of paddling skill for effective boat-based rescues
	Discuss the rationale for boat-based rescue over potentially lower risk techniques
Pir	us .
	Focus on avoiding pins and early self-rescue
	Understand rescuer hazards associated with pin release
	Focus on rescue priorities – people over equipment
	Use multiple techniques to effectively release pinned craft and equipment



En	Entrapments	
	Focus on avoiding entrapments and maintaining rescue safety	
	Identify common causes of entrapment	
	Use appropriate skills to contact the victim and release the entrapment	
	Discuss and demonstrate use of stabilization and snag lines	
Scenarios		
	Create scenarios appropriate for specific sites and participants	
	Effectively manage scenarios	
	Provide effective feedback to scenario participants	
	Effectively participate in appropriately challenging scenarios	
Cl	osing	
	Guide participants to appropriate further training opportunities	

☐ Emphasize the need for ongoing practice and education