

Position	Life Support and Water Quality Trainee
Facility	South Carolina Aquarium
Location	Charleston, SC
Job Summary	<p>The Life Support and Water Quality Trainee assists the Life Support team in daily tasks that may include: operation of the Water Quality Lab (including routine water quality analysis on all systems, maintenance and calibration of all water quality lab equipment, and manipulation of closed systems to reach specified water chemistry parameters), operation and maintenance of specified life support systems and automation (including 24/7 operational support, seawater acquisition and ozone systems), and design and fabrication work with the Animal Care department to improve efficiencies of life support systems or support networks. Upon employment for a minimum of 1 year and satisfactory completion of the life support training criteria, this position may qualify for a technician role.</p>
Essential Functions	<ul style="list-style-type: none"> - Adheres to the South Carolina Aquarium Policies. - Operates and maintains the Aquarium's water quality laboratory. - Performs chemical analysis on all aquatic systems. - Responsible for acquisition of raw saltwater and its purification treatment. - Responsible for fresh water purification systems. - Maintains aquarium's ozone system and perform necessary repairs. - Interprets data and performs follow-ups with appropriate staff. - Maintains databases (TRACKS) and accurate recordkeeping of events. - Keeps accurate records, orders supplies, and maintains equipment. - Conducts routine operation and maintenance of the life support control system. - Keeps work areas clean and organized. - Supervises volunteers and interns, including training, evaluating and scheduling. - Provides periodic interaction with aquarium guests. - Develops & updates safety protocols. - Assists with AZA inspections and adheres to all current AZA standards and related policies. - Coordinates with LS vendors and contractors for repairs and site visits. - Identifies and executes improvement projects. - Provides training to staff on associated life support equipment and processes. - Coordinates with other members of the life support team to provide 24/7 operational on-call support. - Able to work flexible hours throughout the week. (Seawater acquisition is tide dependent.) - Responds to emergencies after-hours or during days off for urgent repairs/work.
Other Duties and Responsibilities	<ul style="list-style-type: none"> - Supports the mission by participating in Aquarium sponsored programs and events on a regular basis. - Participates in special projects such as assisting students with class projects, helping with member programs. - Participates in field collection activities. - Assists the aquarist staff with unusual tasks such as large renovation projects. - May also identify life support system problems and suggest possible solutions. - Possesses a working knowledge of the living collection, basic aquariology, and exposure to field collection activities.
Knowledge, Skills and Abilities	<ul style="list-style-type: none"> - Previous experience with analytic equipment in a laboratory setting. - Experience with ozone application and monitoring. - Experience with automated life support systems. - Thorough

knowledge of freshwater and saltwater chemistry. - Plumbing & mechanical skills. - Understands proper use of industrial tools and equipment. - Strong interpersonal and communication skills. - Ability to work with others in a team environment. - Basic swimming ability.

Education & Experienced Required

- Bachelor's degree in Chemistry, Biochemistry, Oceanography, or Biological sciences with a strong chemistry background required (or three years' experience working in related field at a comparable public Aquarium). - Minimum of three months experience in an aquarium or zoological field.

Licenses and Certifications Required

Valid Driver's License

Physical Requirements

Ability to lift and carry up to 50 lbs.

Working Conditions

- Normal office environment. - Frequent wet and slippery surroundings. - Frequent hot or cold settings. - Frequent exposure to fumes, smoke, odors, acids, caustic chemicals, etc. - Occasional contact with customers and the public - Occasional collecting of specimens in marine, freshwater or terrestrial environments. - Minimum of three months experience in an aquarium or zoological field.

Salary

Respond To

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Closing date

09/21/2021

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