

Applicants should be agile with a good sense of balance in order to maneuver around the exhibits and holding areas. Applicants must be comfortable with database computer programs and sensitive equipment. Must be willing to handle frozen samples and walk-in freezers and able to lift 50 pounds. Duties will vary from day to day. There is very little contact with animals in this position.

### **Aquarium Husbandry**

Intern will be introduced to basic animal care and husbandry techniques by assisting aquarium staff in daily care and maintenance of the Center's fish and invertebrate collection, life support systems and exhibit development. Our goal is to build on the intern's current education and background with new practical knowledge and skills which may prove useful in a career in aquatic animal care. Under guidance of Aquarium staff, the intern will learn and demonstrate the ability to:

- Care for Alaska fishes, invertebrates and algae in exhibit settings and holding tanks.
- Recognize animal diet needs and assist with daily diet preparations and feeding marine organisms.
- Assist staff with routine cleaning of exhibits, food prep room and service areas.
- Assist Aquarium staff in development and installation of new aquatic displays.
- Monitor water system conditions using standard water quality measuring instruments and techniques.
- Assist the Aquarium staff with specimen collections in the field
- Recognize native marine plant and animal species, their natural history, and deliver such information to visitors in our galleries and on behind the scenes tours.
- Maintain current and accurate records on animal health and behavior.

### **Aquarium/Dive Husbandry**

Intern will be shared between the Dive program and the Aquarium division. The Dive Safety Officer, the Husbandry Director, and the Aquarium Curator will collaborate to assign tasks and priorities to the Dive/Aquarium Intern. **Must be an active scientific diver.** Under guidance of Dive and Aquarium staff, the intern will learn and demonstrate the ability to:

- Assist Aquarium Curator with the 2015 marine invasive species monitoring program
- Assist in staff diving functions which may include training in exhibit maintenance, dive tending, dive cylinder filling, planning and logistical support of dives, diving safety, and emergency procedures.
- Manage dive gear and assist in the logistics of group dives.
- Maintain and repair dive equipment and maintaining logs of equipment maintenance and repair.
- Assist with the care of Alaska fishes, invertebrates and algae in exhibit settings and holding tanks.
- Recognize animal diet needs and assist with daily diet preparations and feeding diets to marine organisms.
- Assist staff with routine cleaning of exhibits, food prep room and service areas.
- Assist Aquarium staff in development and installation of new aquatic displays.
- Monitor water system conditions using standard water quality measuring instruments and techniques.
- Assist the Aquarium staff with specimen collections in the field

- Recognize native marine plant and animal species, their natural history, and deliver such information to visitors in our galleries and on behind the scenes tours.
- Maintain current and accurate records on animal health and behavior.
- Deliver diving-related information to visitor's in our galleries and on behind the scenes tours.

### **Avian Husbandry**

Intern will be introduced to basic animal care and husbandry techniques. Candidate will assist in the daily care and maintenance of the Center's Alaskan bird species collection and Alaskan bird species exhibit[s]. This position also participates in daily educational talks and/or tours. Under guidance of Avian staff, the intern will learn and demonstrate the ability to:

- Perform daily animal diet preparations and routine cleaning of animal exhibits, kitchen and work areas.
- Make daily observations and note the health and condition of the exhibit birds – noting changes in behavior and appearance.
- Unload periodic deliveries of frozen food and maintaining freezer.
- Participate in daily educational talks or tours.
- Maintain written computer records.
- Assist in pool cleanings and water quality testing.
- Assist the avian staff in current research projects and data collection.

### **Eider (Sea Duck) Husbandry**

Intern will be introduced to basic animal care and husbandry techniques specific to captive arctic waterfowl species. The position also entails learning about and assisting with endangered species breeding season tasks in an area that is located outside and susceptible to the extreme Alaska environmental conditions. Under guidance of Eider Husbandry staff, the intern will learn and demonstrate the ability to:

- Perform daily animal diet preparations and routine cleaning of animal habitats, kitchen and work areas.
- Make daily observations and note the health and condition of the research eiders – noting changes in behavior and appearance.
- Assist researchers with data collection.
- Maintain written and computer records.
- Assist in pool cleanings and water quality testing.
- Take care of ducklings when necessary, this may entail irregular hours.

### **Eider (Sea Duck) Laboratory**

Intern will be introduced to basic laboratory techniques related to ongoing research on eiders and sea ducks or related to ongoing research on bivalves. The candidate could be responsible for assisting with various projects including egg dissections, bivalve dissections, molecular and biochemistry techniques, and routine laboratory duties. This position also may include other projects as they arise such as necropsies. Under guidance of Eider Laboratory staff, the intern will learn and demonstrate the ability to:

- Assist in the laboratory on projects related to sea duck or bivalve physiology/biochemistry, including learning how to process biological samples.
- Assist with dissections and sample collections from sea duck eggs or bivalves.
- Conduct laboratory techniques for sea duck samples to include: serum protein electrophoresis, DNA extractions, PCR, DNA electrophoresis, serum biochemistry analysis, cell culture and enzyme-linked immunosorbent assays.
- Conduct laboratory techniques while assisting with bivalve samples to include: immune function assays, cell counts, DNA extractions, DNA electrophoresis, western blot and enzyme-linked immunosorbent assays.
- Help with various routine laboratory tasks which are necessary for the daily functioning of the laboratory, such as: labeling tubes, washing dishes, organizing samples or paperwork, data entry, and laboratory maintenance.
- Assist eider research personnel, as assigned, with other ongoing research projects, processing of laboratory samples, necropsies, and special projects.

#### **Interpretation - Avian**

Intern will team with the interpretive staff for 20 hours a week and with the avian staff for 20 hours a week. Assists the avian and/or aquarium departments and acquires the first-hand knowledge needed to interpret these exhibits. Under guidance of Avian and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Create props and supplies for educational programs and assist with special events.
- Perform general husbandry tasks such as cleaning, food preparation, etc.
- Make daily observations on the health and condition of the exhibit birds – noting changes in behavior and appearance.

#### **Interpretation - Education**

Intern will split time between the interpretation team at the front of the house and the formal education team working with school, youth and adult/senior tour groups. The intern will interpret live exhibits to the visiting public and teach interactive marine science programs to groups, nocturne “night at the aquarium” experiences, interact with teachers and chaperones to organize food schedules for youth groups, and monitor groups during their self-guided tours. The intern will work a flexible schedule to accommodate variable hours, including early mornings, evenings and weekends as needed. The intern will also assist the education team on projects that may include virtual field trip elements, inventory and supply maintenance of education. Under guidance of Education and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Present one-hour lessons to classes and other visiting groups.

- Assist with logistical support for workshops and conferences.
- Make presentations using the Alaska SeaLife Center's Education Department's virtual field trips, presentations, and exhibits and assist with multimedia elements.

### **Interpretation - Eider**

Intern will meld two completely separate internship learning activities. The day is divided into 4 hours of husbandry and 4 hours of interpretation.

The eider husbandry portion is in the morning when they can assist the husbandry staff in all the morning chores. These included: daily cleaning of the enclosures, daily feeding of the ducks, maintaining data records, and assisting with any spontaneous chores that needed completion. (These depended on whether it was egg season or duckling season.)

The 4 hours of interpretation learning activities change daily depending on staff present and activities taking place that day. Interpreters maintain the different stations around the center e.g., touch tank, aviary, 1st floor desk, giving planned and scripted PowerPoint presentations to the public, lead Behind the Scenes tours, and teach classroom programs. Each day is some combination of the tasks above. The nature of this internship gives you far more knowledge about the Eiders than other interpreters, the goal is to learn and share with others. In this position you will also become familiar with the other birds, invertebrates and the mammals are housed at the center. Under guidance of Eider and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Create props and supplies for educational programs and assist with special events.
- Prepare daily animal diets, perform routine cleaning of eider sea duck holding area, kitchen and work areas; assist in pool cleanings & water quality tests.
- Make daily observations noting health and condition of the research eiders – behavior & appearance changes.
- Assist researchers with data collection.

### **Interpretation – Mammals**

Intern will team with the interpretive staff for 20 hours a week and with mammal staff for 20 hours a week. Assists mammal department and acquires the first-hand knowledge needed to interpret ASLC exhibits. Under guidance of Mammal and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Perform general husbandry tasks such as cleaning, food preparation, etc.
- Make daily observations on the health and condition of the exhibit mammals – noting changes in behavior and appearance.
- Create props and supplies for educational programs and assist with special events.

### **Interpretation-Marketing**

Intern will team with the interpretive staff for 20 hours a week and with the marketing and development department for 20 hours a week. The intern will assist sales and guest services functions, including ticketing, cafe, special events/facility rentals, and support with community interface. Under guidance of Marketing, Development and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Assist Marketing Director and staff in publications, journalism, social media, collateral, graphics design, video production, tour sales, specific sales campaigns, collateral distribution, and website content.
- Assist marketing and events staff in various capacities related to special events and functions – promotion, set-up, guest interface and take-down.
- Represent the Alaska SeaLife Center within the community through brochure distribution, event promotion, and other misc. sales opportunities.
- Improve guest services and operations through visitor surveys.

### **Interpretation - National Park Service**

This position is a shared effort between Kenai Fjords National Park (KFNP) and the Alaska SeaLife Center. Site specific training will be conducted separately by each organization. For the purposes of the National Park Service, this position is recognized as a non-supervisory Park Guide in interpretation. The fundamental objectives of the activities performed in KFNP position are Resource Education, Resource Protection and Public Use Management. Under guidance of National Park Service and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Assist an NPS Park Ranger aboard the Star of the Northwest tour boat as the ranger conducts an interpretive program for the duration of a 5-hour ocean tour. Assist the ranger by demonstrating learned informal interpretive skills about the marine wildlife, ecosystems, and environment in support of the ranger's overall program and theme. Tour boats are subject to rain, cold, long periods of standing, and motion sickness.
- Deliver the NPS Junior Ranger program on the Star of the Northwest tour boat. Present multiple demonstrations for the children of passengers, focusing on hands-on and interactive lessons about marine wildlife, ecosystems, and the environment.
- Present daily demonstrations, talks, walks and/or tours to the public for both the ASLC and NPS relevant to the current research projects conducted at the Alaska SeaLife Center and in the Kenai Fjords National Park.

### **Interpretation - Steller Sea Lion Video Monitoring - Chiswell Project**

Teams with the interpretive staff for 20 hours a week and with the Chiswell staff for 20 hours a week. Intern will assist with the day to day support of animal related research activities involving Steller sea lions. Candidates should exhibit a strong interest in field based and animal related research work and associated support. Applicants should possess the ability to intern for extended periods of time while staying focused on the task at hand. Under guidance of Chiswell and Interpretation staff, the intern will learn and demonstrate the ability to:

- Interpret exhibits housing live marine mammals, birds, fish and invertebrates.
- Present briefings, lectures, presentations, multi-media shows, structured and impromptu talks, and guided tours by learning to employ appropriate interpretive techniques and devices geared to the characteristics and interest of particular audiences.
- Operate remotely controlled cameras from a desktop computer.
- Make behavioral observations of Steller sea lions and demonstrate learned skills by video recording, data entry and management.
- Follow a regimented schedule of observations and be prompt with daily duties.

### **Marine Animal Stranding/Rehab**

Intern will learn and gain experience in the rescue and rehabilitation effort of stranded wild marine mammals and birds. Applicants should be agile with a good sense of balance in order to maneuver around the exhibits and holding areas. Under guidance of Marine Animal Stranding staff, the intern will learn and demonstrate the ability to:

- Make daily animal diet preparations and perform routine cleaning of quarantine and work areas.
- Assist with rescue and release of stranded animals.
- Assist with the Stranded Animal Hot Line.
- Assist in the care and maintenance of the Center's rehabilitation animals.
- Participate in educational talks or tours.
- Maintain and update medical records.
- Assist in pool cleanings and water quality testing.
- Help ensure that the rehabilitation clinic and quarantine area is stocked and prepared to receive animals.

### **Marine Mammal Husbandry**

Intern will learn and gain experience in basic animal care and husbandry techniques. Interns will assist in the daily care and maintenance of the Center's mammal collection and mammal exhibit[s]. Under guidance of Mammal Husbandry staff, the intern will learn and demonstrate the ability to:

- Make daily animal diet preparations and perform routine cleaning of animal exhibits, kitchen and work areas.
- Make daily observations and note the health and condition of the exhibit mammals – noting changes in behavior and appearance.
- Unload periodic deliveries of frozen food and maintain the freezer.
- Participate in daily educational talks and/or tours.
- Maintain written computer records.
- Assist in pool cleanings and water quality testing.

- Assist the mammal staff in current research projects and data collection.

### **Marine Mammal Research**

Intern will learn about research conducted on captive Steller sea lion and wild walruses. Intern will be exposed to the methods used to maintain a clean and efficient laboratory. Under guidance of Mammal Research staff, the intern will learn and demonstrate the ability to:

- Complete blood analysis, fecal analysis, and sample collection during animal exams.
- Maintain data records and sample inventory.

Applicants must be comfortable with database computer programs and sensitive equipment. Must be willing to handle frozen samples and walk-in-freezers and able to lift 50 pounds. Duties will vary from day to day. There is very little contact with animals in this position.

### **Stellar Sea Lion Research Video Monitoring Chiswell Island**

Intern will assist with the day to day support of animal related research activities involving Steller sea lions. Applicants should exhibit a strong interest in field based and animal related research work and associated support. Candidates with animal photo identification and behavioral study experience are preferred. Familiarity with MS Access and video recording equipment are also preferred. Applicants should possess the ability to intern for extended periods of time while staying focused on the task at hand. Under guidance of Chiswell staff, the intern will learn and demonstrate the ability to:

- Operate remotely controlled cameras from a desktop computer.
- Assist with behavioral observations, video recording, data entry and management.
- Contribute to the evolution and methodology of research data collection methods.
- Be prompt with daily duties and follow a very much regimented schedule of observations.

### **Veterinary Laboratory Internship**

Intern will learn about the diagnostics and instruments commonly used in a veterinary laboratory specializing in Alaskan marine mammals, birds and fish. Intern will be exposed to the methods used to maintain a clean and efficient laboratory. Skills and procedures learned will include: blood analysis, urine and fecal analysis, fecal coliform water quality analysis, sample collection during animal exams or necropsy, and maintaining veterinary records and sample inventory. Under guidance of Veterinary Laboratory staff, the intern will learn and demonstrate the ability to:

- Assist with set up for, and processing of, routine blood samples taken from marine mammals and seabirds.
- Assist laboratory technicians in performing plasma/serum separations, preparing blood slides, and learning how to perform serum chemistries and cell counts using an automated analyzer.
- Assist with weekly water quality testing.
- Learn about tracking samples and assisting with shipping samples to outside researchers.
- Assist with maintaining medical and laboratory records and logs.
- Assist with organizing and inventorying consumable supplies for the laboratories.

Applicants must be comfortable with database computer programs and sensitive equipment. Must be willing to handle frozen samples and walk-in-freezers and able to lift 50 pounds. Duties will vary from day to day. There is very little contact with animals in this position.