



University of Maryland  
CENTER FOR ENVIRONMENTAL SCIENCE  
HORN POINT LABORATORY  
OYSTER HATCHERY

Contact Stephanie Alexander  
UMCES HPL  
P.O. Box 775  
Cambridge, MD 21613  
[tobash@umces.edu](mailto:tobash@umces.edu)  
(410)221-8310

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## 2023 Oyster Hatchery Internship Opportunity

The oyster culture program at the University of Maryland Center for Environmental Science Horn Point Laboratory is accepting applications for a 2023 summer internship.

Oyster aquaculture in Maryland is a rapidly growing industry with countless opportunities for innovative ideas and for those with a strong work ethic to make a meaningful difference. Since the revision of the lease laws in Maryland during 2009, the state has seen a strong increase in aquaculture operations. With this surge comes and increased demand for a workforce who is trained in unique aquaculture job skills.

**Where:** University of Maryland Center for Environmental Science Horn Point Laboratory Oyster Hatchery located at 2020 Horns Point Road in Cambridge, on Maryland's Eastern Shore.

**When:** Candidates should be able to work for a minimum of 12 consecutive weeks within the timeframe of April 2023 and October 2023. Most work is conducted Monday-Friday 8am-4pm, occasionally irregular hours may occur. Weekend work is expected.

### What you'll do:

- Become part of the hatchery team and learn all aspects of oyster culture
- Complete rotations and become competent in all aspects of oyster cultivation
- Collect data
- Operate downweller, upweller and nursery systems
- Basic troubleshooting
- Give back to the Chesapeake Bay

### Qualifications:

- 18 years of age or older by the start of employment
- Able to lift at least 50 pounds
- Commitment to working in a wet, muddy, and humid environment.
- Able to work weekends
- Interest in aquaculture, fisheries, biology, environmental sciences or a related field
- Be prepared with appropriate clothing and footwear for wet and muddy conditions.
- Commit to arrive on time
- Reliable transportation

- Positive attitude

**Stipend:** \$15/hr, before taxes paid biweekly

Due to the rural nature of the campus area, personal transportation is encouraged for all participants.

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## Rotations

Interns will rotate through various aspects of the hatchery and should be capable of working independently after training.

### **Broodstock Management**

- Collecting, maintaining, and cleaning broodstock oysters
- Learning the conditioning process
- Processing oysters for assessment

### **Spawning**

- Setting up table and identifying spawning oysters
- Measuring length of oysters
- Learning microscope techniques

### **Larval Rearing**

- Cleaning larval rearing tanks
- Sorting larvae and assessing maturity
- Performing larval counts

### **Algae Production**

- Maintaining carboy cultures
- Cleaning and inoculating tanks
- Operating various equipment

### **Setting & Planting**

- Collecting samples and processing data
- Introducing larvae to setting tanks
- Accurately determining spat on shell numbers

### **Seed Production**

- Setting larvae on ground cultch
- Sorting and counting seed
- Upweller and downweller operation

### **Demonstration Farm**

- Maintenance of oysters growing on long line system

### **Other**

- Remote setting\*
- Applying skills on a working oyster farm\*
- Basic laboratory skills
- Answering phone calls in a professional manner
- Assisting with large hands-on experiences for tour groups\*

\*Tentative

# Timeline

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December 6, 2022	Applications are now being accepted
Dec 23, 2023 - Jan 2, 2023	*HPL is closed and will not be responding to inquiries*
January 26, 2023	1:00 PM Virtual Intern tour
February 10, 2023	COMPLETED applications due by 11:59:59 PM
Feb 11 - Feb 28, 2023	Applications under review
February 28, 2023	Applicants notified of their status, interviews scheduled
Mar 1- Mar 6, 2023	Applicant interviews
March 8, 2023	Internship offers made
March 22, 2023	Offers must be accepted no later than 11:59:59 PM
April - June 20, 2023	Interns start

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## Application Submission Instructions and Deadline

If you have any questions about this opportunity, need assistance filling out this application, or you would like to attend our virtual intern tour, please contact Stephanie Alexander at [tobash@umces.edu](mailto:tobash@umces.edu) or (410)221-8310 or Julie Trommatter at [jbaynard@umces.edu](mailto:jbaynard@umces.edu) or (410)221-8370.

Applications can be downloaded from our website. Completed application materials should be emailed to Stephanie Alexander at [tobash@umces.edu](mailto:tobash@umces.edu). While electronic submissions are preferred, you may also download the application from our website and submit it via mail to UMCES Horn Point Oyster Hatchery, P.O. Box 775, Cambridge, MD 21613. You may also fax materials to (410) 221-8456 "ATTN: Stephanie Alexander." To request a paper copy, call 410-221-8310.

### **Applicants must submit the following:**

1. Application Form
2. A copy of your most recent transcript that lists all courses you have taken to-date and the grades you have received. Both unofficial and official copies are accepted.
3. A minimum of two (2) letters of recommendation from an individual capable of commenting on your academic qualifications and work ethic. These letters may be emailed directly to Stephanie Alexander or attached with your application form.
4. A resume or curriculum vitae describing any relevant jobs, internships, volunteer work, scholarships and/or other activities that you have held or participated in and other skills or accomplishments that you wish to identify.

It is the applicant's responsibility to ensure that all materials have arrived on or before the deadline. All materials, including application, transcripts, letters of recommendation, and resume or CV are expected to be complete and submitted by **February 10, 2023 11:59:59 PM**. We strongly encourage applicants to attend the virtual tour of our facility offered on January 26, 2023. Please email Stephanie Alexander at [tobash@umces.edu](mailto:tobash@umces.edu) to add your name to a list for the virtual tour.

Qualified applicants receive consideration for employment without discrimination because of sex, marital status, race, color, creed, religion, national origin, age, or the presence of a non-job-related handicap.

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