# Student Summer Employment Opportunity

## VIU Deep Bay Marine Field Station

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| Job Title: | **Shellfish Aquaculture / Public Education Worker** |
| Term: | May 8th, 2017 - August 26th, 2017 |
| Hours: | 35 hr./wk. – Will include some weekend, holiday, and evening work. |
| Rate: | $15.00/hr. |
| Applicable to: | Fisheries and Aquaculture, Biology, Education, Resource Management and Protection |
| Subject to: | Positive reference check and satisfactory criminal record check.<br>Funding from the Canada Summer Jobs Program.<br>Be between 15 and 30 years of age at the start of the employment.<br>Have been registered as a full-time student in the previous academic year and intend to return to school on a full-time basis in the next academic year.<br>Be Canadian citizens, permanent residents or persons to whom refugee protection has been conferred under the *Immigration and Refugee Protection Act* (International Students are not eligible).<br>Be legally entitled to work in Canada in accordance with relevant provincial/territorial legislation and regulations. |
| Deadline: | Applications including a **cover letter and resume will be accepted until April 5th 2017**.<br>Please send applications to carl.butterworth@viu.ca and please feel free to call with any questions at 250-740-6399. |

## Description

The Deep Bay Marine Field Station (DBMFS) conducts research for the shellfish aquaculture industry and educates the public about this important sector. As part of its ongoing operations, DBMFS has ongoing oyster hatchery and farming operations and conducts extensive public education. The Student Shellfish Aquaculture / Public Education workers will work in all aspects of DBMFS's operations including the following:

1. Work in the algae lab isolating and growing different strains of algae for feed for shellfish larvae.
2. Work in the larval lab spawning shellfish, growing out larvae, boosting seed, and maintaining systems.
3. Work in the transfer of shellfish larvae to DBMFS's farm site or other industry partners farm sites.
4. Assist in the interpretation of the shellfish aquaculture industry for members of the public and tour groups.
5. Assist in marine science based summer camps and work with K-12 students to promote understanding of marine biology and shellfish aquaculture.

As part of these activities the students will:

1. Learn how to use sterile technique to isolate and culture algae, clean lab equipment, conduct system inspections and maintenance, monitor production systems and otherwise assist the VIU algologist as needed.

2. Learn how to induce spawning, manipulate water temperature, pH, grade larvae, conduct larval counts, transfer shellfish larvae, calculate feed ratios, setting techniques; how to clean hatchery production systems equipment and prepare shellfish for transfer to a farm site.

3. Work regularly on computers with both standard and application specific software to record production and research data, analyze information, document activities, and correspond with others. Students will also learn the use of standard analytical equipment used in research and industry.

4. Learn how to structure information for public delivery. Refine communication skills and how to interact appropriately with a wide range of people who are interested in the shellfish aquaculture industry.

5. Read and become familiar with a wide variety of topics in marine biology and maintain currency on the state of the shellfish aquaculture industry.

Activity time will be split between lab work and public education work. Training in all areas will be provided.