

**Santa Monica College**  
**Aquaculture Technician II Certificate of Achievement**

*Effective Fall 2026*

The Certificate of Achievement in Aquaculture Technician II prepares students for higher-skill work for the burgeoning Blue Economy in Southern California, including the aquaculture industry. The program emphasizes workforce preparation at the interface of global climate change and sustainability. With consideration for environmental change, this program addresses conservation and restoration practices for endangered species.

**Program Learning Outcomes:**

Analyze, evaluate, and apply microbiological and genetic concepts, data, and laboratory techniques to manage the health and sustainability of aquaculture systems.

Analyze conditions for culturing aquatic species, and develop optimal strategies to maximize production, while minimizing environmental impact.

Design, justify, and communicate a business model for an aquaculture facility that integrates site selection, permitting, biosecurity, social license, production logistics (food creation/delivery/handling), and sustainable market delivery.

**Required Courses**

**Units: 8.0**

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AQUA 3 Microbiology and Genetics for Aquaculture	4.0
AQUA 4 Husbandry and Life Support in Aquaculture and Aquarium Science	2.0
AQUA 5 Advanced Topics in Aquaculture	2.0

**Total Units: 8.0**