Algae Technology Educational Consortium (ATEC)

Algae Cultivation

- ALTF 161 – Introduction to Algae Cultivation (+ online)
- ALTF 271 – Biology of Algae (+ online)
- ALTF 261 – Advanced Algae Cultivation (+ online)
- ALTF 262 – Algae Harvesting (+ online)
- ALTF 268 – Algae Capstone
- ALTF 298 – Biofuels Internship
- PLMB 141 – Pumps and Motors (+ online)
- WATR 166 – Microbiology for Water Operators

- BLDG 111 – Construction Safety
Algae Technology Educational Consortium (ATEC)

Algal Culture Extension Short-course (ACES)

- Macroalgae
- Seaweed Culture
- Seaweed Lab Culture and Seaweed Farming
- Seaweed Farms Around the World
- Seaweed Farming Techniques
- Integrated Multitrophic Aquaculture
- Seaweed Business
- ~ 6,500 credit students
- 70% > 25 years old
- 50% have children
- Public school drop-out rate near SFCC – 40-50%

- 75% Part time
- 62% Female
- 45% Hispanic
- 5% Native American
- 2015-16 Best for Vets: Career and Technical Colleges
Algae Cultivation & Biotechnology Degree Programs

- **New Courses**
- ALGE 111 – Introduction to Algaculture *(face to face OR online)*
- ALGE 211 – Advanced Algaculture *(face to face OR online)*
- ALGE 221 – Algae Harvesting *(face to face OR online)*
- ALGE 298 – Algaculture Capstone *(face to face)*
- BIOL 250 – Introduction to the Algal Biology (Phycology) *(face to face OR online)*
- PLMB 141 – Pumps and Motors *(face to face OR online)*
- ACC – Introduction to Algae Biotechnology 1 *(face to face or online)*
- ACC - Algal Laboratory Modules *(face to face)*
- UCSD – Introduction to Algae MOOC *(ONLINE)*
Providing a skilled workforce to meet the needs of the rapidly-growing bioeconomy.

Comprehensive education that combines concepts with hands-on training in our A.A.S. in Controlled Environment Agriculture and embedded Algae Cultivation Certificate.

Aquaculturist
Algae Farmer
Algae Farm Manager
Phycologist
Engineer
Biological Technician
Lab Technician
Plant Technician
Entrepreneur
Project Developer
CERTIFICATE

ALGAE CULTIVATION

Algal production provides a sustainable source of biomass for bio-based products, soil remediation, animal and fish feed, fuel and foods. This Web-blended program provides applied theory with hands-on training.

The Certificate in Algae Cultivation counts toward the Associate in Applied Science in Controlled Environment Agriculture.

CAREER OPPORTUNITIES INCLUDE

Aquaculturist  Biological Technician
Algae Farmer  Lab Technician
Algae Farm Manager  Plant Technician
Phycologist  Entrepreneur
Engineer  Project Developer

LEARN MORE
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