



Aquaculture Industry Certification Study Guide

The Aquaculture Industry Certification is based on Florida’s standards for the Aquaculture courses at the secondary level. Each standard is weighted based on industry need. The exam will consist of a 100 question multiple choice test format given in an online examination platform. Students will need a minimum of a 75% in order to pass the exam.

Standards	Resources	Weight
02.0 Methods and strategies for using Florida Standards for grades 09-10 writing in Technical Subjects for student success in Aquaculture.	Aquaculture Science by Rick Parker	4%
03.0 Methods and strategies for using Florida Standards for grades 09-10 Mathematical Practices in Technical Subjects for student success in Aquaculture.	Aquaculture Science by Rick Parker	4%
04.0 Describe the history of agriculture and its influence on the global economy.	Aquaculture Science by Rick Parker	4%
05.0 Practice agriscience safety skills and procedures.	UF Tropical Aquaculture Laboratory Publications	4%
06.0 Apply scientific and technological principles to agriscience issues.	UF Tropical Aquaculture Laboratory Publications	4%
07.0 Apply environmental principles to the agricultural industry.	UF Tropical Aquaculture Laboratory Publications, SRAC Aquaculture Publication	4%
09.0 Investigate and utilize basic scientific skills and principles in animal science.	UF Tropical Aquaculture Laboratory Publications, SRAC Aquaculture Publication	4%
10.0 Demonstrate the use of agriscience tools, equipment, and instruments.	UF Tropical Aquaculture Laboratory Publications	4%
11.0 Demonstrate agribusiness, employability and human relation skills.	Aquaculture Science by Rick Parker	4%
12.0 Apply leadership and citizenship skills.	UF Tropical Aquaculture Laboratory Publications	4%
13.0 Discuss components of food safety and handling practices in agriculture	UF Tropical Aquaculture Laboratory Publications, SRAC Aquaculture Publication	4%
14.0 Safely operate, maintain and repair machinery, equipment and facilities used in aquaculture	UF Tropical Aquaculture Laboratory Publications, SRAC Aquaculture Publication	4%
15.0 Describe the nature and origin of and career opportunities in aquaculture	UF Tropical Aquaculture Laboratory Publications, SRAC Aquaculture Publication	4%

16.0 Demonstrate the management and environmentally sound use of water and land resources.	UF Tropical Aquaculture Laboratory Publications,SRAC Aquaculture Publication	4%
17.0 Apply biological principles to the reproduction, identification and growth of aquaculture species.	UF Tropical Aquaculture Laboratory Publications,SRAC Aquaculture Publication	4%
18.0 Assist in the propagation and culture of an aquaculture organism.	UF Tropical Aquaculture Laboratory Publications,SRAC Aquaculture Publication	4%
19.0 Describe procedures used in locating markets and marketing aquaculture products.	SRAC Aquaculture Publication	4%
20.0 Apply business management skills in managing an aquaculture operation.	UF Tropical Aquaculture Laboratory Publications,SRAC Aquaculture Publication	4%
21.0 Identify applicable local, state, and federal rules and regulations and assistance programs.	UF Tropical Aquaculture Laboratory Publications	4%
28.0 Complete the propagation and culture of an aquaculture organism	UF Tropical Aquaculture Laboratory Publications	4%
29.0 Demonstrate procedures used in locating markets and marketing aquaculture products	UF Tropical Aquaculture Laboratory Publications	4%
30.0 Incorporate business management skills in managing an aquaculture operation	SRAC Aquaculture Publication	4%
32.0 Produce an aquaculture species in one or more of the following: pond, cage, tank, raceway, net pen	UF Tropical Aquaculture Laboratory Publications	4%
33.0 Control disease, pest and water quality problems	UF Tropical Aquaculture Laboratory Publications	4%
34.0 Assist in harvesting and processing aquaculture species	UF Tropical Aquaculture Laboratory Publications	4%
35.0 Identify biological components of reptiles, amphibians, and fish	SRAC Aquaculture Publication	4%