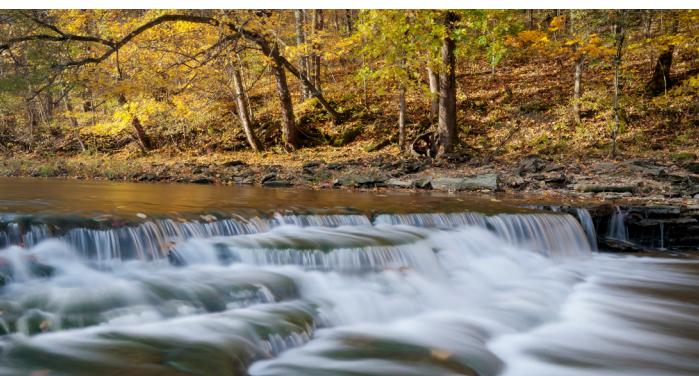


## FACILITIES

- A 14-acre aquaculture campus housing 33 research ponds and multiple laboratories including genetics, shrimp production, aquaponics and nutrition facilities.
- A 300-acre research and demonstration farm.
- A 300-acre environmental education and research center.



## ADMISSION REQUIREMENTS

Regular admission into the program requires:

- a baccalaureate degree, an undergraduate GPA of 3.0 or greater
- GRE score of 296 or greater (verbal+quantitative).

More information about Graduate Program admission can be found online at <https://kysu.edu/academics/graduate-studies/>

Applicants with lower GPA or GRE scores may be given consideration if they have significant work experience in the field or have successfully completed certain graduate-level courses.

## Contact Us

Center of Aquaculture and Aquatic Sciences  
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Frankfort, KY 40601  
Phone: 502.597.8106  
[www.ksuaquaculture.org](http://www.ksuaquaculture.org)

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# MASTER OF SCIENCE IN AQUACULTURE AND AQUATIC SCIENCES



**KENTUCKY STATE  
UNIVERSITY**

Land Grant Program

This institution is an equal opportunity provider.

Aquaculture is the fastest growing food production activity in the world and now produces over 50 percent of the world's seafood. Students with the **Master of Science in Aquaculture and Aquatic Sciences** have gone on to further graduate studies or directly into employment in state and federal hatcheries, environmental agencies, commercial aquaculture farms, and associated industries such as feed and equipment sales.



## MS-AQUA COURSES

The courses taken by the student are determined by the student, the advisor and the committee. The thesis option requires at least 35 credit hours (29 course hours plus 6 credit hours of Research and/or Thesis). The non-thesis option requires 38 credit hours (35 course hours plus 3 credit hours of Internship).

### Courses Include:

AQU 507	Fish Genetics
AQU 510	Fish Disease Lab
AQU 511	Fish Diseases
AQU 512	Fish Morphology and Physiology
AQU 521	Fish Nutrition
AQU 522	Principles of Aquaculture
AQU 527	Fish Reproduction and Spawning Techniques
AQU 528	Fish Reproduction Lab
AQU 551	Survey of Production Methods
AQU 552	Aquaponics
AQU 560	Water Quality Management
AQU 561	Water Quality Lab
AQU 570	Recirculating Aquaculture
AQU 591	Internship
AQU 600	Aquaculture Research



## MS-AQUA PROFESSORS AND RESEARCH AREAS

- Dr. Robert Durborow - Fish Diseases
- Dr. Andrew Ray - Water Quality, Biofloc Technology, Shrimp Production
- Dr. Waldemar Rossi - Aquatic Animal Nutrition
- Dr. Ken Semmens - Physiology and Reproduction
- Dr. Noel Novelo - Reproduction/Genetics

