AQUAPONICS ENTREPRENEURSHIP, ASSOCIATE

Program Description

The associate of applied science degree in Aquaponics Entrepreneurship covers content in aquaponics, engineering/automation and business; three essential needs areas for the aquaponics industry. Aquaponics includes an understanding of how to keep plants and aquatic organisms alive, including basic biology, water quality, nutrition, and an introduction to system designs. The engineering component addresses system automation, as well as an independent study to understand aquaponics systems, pumps, power tools, etc. The business component includes accounting and marketing skills, as well as an independent study/internship in entrepreneurship, skills that are essential to a successful aquaponics business.

Program Learning Outcomes

At the end of the program, students will be able to recall and apply principles of:

- The basic biology and water quality (chemistry and microbiology) of aquaponics especially as applied to the production of healthy plants.
- Operation and maintenance of the equipment, and sustainable energy design components of aquaponics systems.
- Operating an economically sustainable aquaponics business through an understanding of business planning, marketing, and accounting.

Degree Requirements

Code	Title	Hours
ACTG 132	Principles of Accounting I	4
BIOL 104	Survey of General Biology	4
or BIOL 132	General Biology: Organisms	
BIOL 232	Introduction to Aquaponics	4
BIOL 235	Int to Protected Horticulture	3
BIOL 290	Ind Study in Discipline	4
BUSN 121	Introduction to Business	3
BUSN 299	Internship in	2
BUSN 389	Entrepreneurship	3
BUSN Business Elective		3
CHEM 108	Applied Chemistry	3
CHEM 109	Applied Chemistry Lab	1
CSCI 105	Intro to Computer Programming	3
CSCI 163	Troubleshooting/Repair of PC's	3
EGRS 215	Introduction to Robotics	2
EGNR 261	Energy Systems/Sustainability	3
MATH 111	College Algebra	3
MRKT 281	Marketing Principles/ Strategy	3
Total Hours		**51**

Free electives to total 62 credits

General Education: All LSSU Associate's degree candidates must complete the LSSU General Education Requirements.

A minimum of 62 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is also required in your Major, as well as in your General Education Requirements.