

# A.A.S. IN SUSTAINABLE AGRICULTURE



**2022-23**

# A.A.S. IN SUSTAINABLE AGRICULTURE

**(A15410)** These curriculum are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. A program that focuses on agricultural principles and practices that, over the long term, enhance environmental quality, make efficient use of nonrenewable resources, integrate natural biological cycles and controls, and are economically viable and socially responsible; and that may prepare individuals to apply this knowledge to the solution of agricultural and environmental problems. Potential course work includes instruction in principles of agroecology, crop and soil sciences, entomology, horticulture, animal science, weed science and management, soil fertility and nutrient cycling, applied ecology, agricultural economics, and rangeland ecology and watershed management.

Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Fall Semester 1			Lecture	Lab	Clinical	Credit
AGR	139	Intro to Sustainable Agriculture	3	0	0	3
AGR	160	Plant Science	2	2	0	3
AGR	170	Soil Science	2	2	0	3
AGR	111	Basic Farm Maintenance	1	3	0	2
ENG	111	Expository Writing	3	0	0	3
ACA	111	College Student Success	1	0	0	1
					<b>Total</b>	<b>16</b>

Spring Semester 1			Lecture	Lab	Clinical	Credit
ANS	110	Animal Science	3	0	0	3
AGR	121	Biological Pest Mgmt	3	0	0	3
CIS	110	Introduction to Computers	2	2	0	3
AGR	265	Organic Crop Production: Spring	2	2	0	3
MAT	110	Math Measurement and Literacy OR	2	2	0	3
MAT	143	Quantitative Literacy	2	2	0	3
*Humanities Elective			3	0	0	3
					<b>Total</b>	<b>17</b>

Summer Semester 1			Lecture	Lab	Clinical	Credit
WBL	111	Work Based Learning	0	0	10	1
					<b>Total</b>	<b>1</b>

Fall Semester 2			Lecture	Lab	Clinical	Credit
AGR	262	Weed ID and Control	2	3	0	3
AGR	268	Adv Organic Crop Produce	2	6	0	4
ANS	111	Sustainable Livestock Mgt	2	2	0	3
BUS	139	Entrepreneurship I	3	0	0	3
ENG	112	Writing/Research in the Disc OR	3	0	0	3
ENG	114	Professional Research & Reporting	3	0	0	3
					<b>Total</b>	<b>16</b>

Spring Semester 2			Lecture	Lab	Clinical	Credit
AGR	212	Farm Business Management	3	0	0	3
AGR	214	Agricultural Marketing	3	0	0	3
AGR	267	Permaculture	2	2	0	3
AGR	130	Alternative Ag Production	3	0	0	3
*Social Science Elective			3	0	0	3
					<b>Total</b>	<b>15</b>

**TOTAL HOURS 65**

\*Please see the section titled "General Education Requirements for A.A.S programs" at the end of the Program of Study section for specific courses that fulfill these requirements.