Department: Plant and Earth Science

Program Name: Horticulture

Program Level: Undergraduate

College: Agriculture, Food, and Environmental Science

Program: Minor

Submitted by: Donavon Taylor

Title: Professor and Department Chair

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Program Outcomes

Outcome 1: Acquire, integrate, and apply knowledge of plant science and horticultural practices to manage and sustainable landscapes. (a) Use multiple sources, including current and older literature, to find, evaluate, organize, and manage information related to horticultural systems. (b) Apply concepts of plant biology, horticultural science, systematics, ecology and genetics to manage and improve plants and their products.

Outcome 2: Demonstrate interdisciplinary knowledge and competency in managing horticultural systems. (a) Assess soils, soil health, fertility, water, and site limitations. (b) Assess potential and evaluate realized interactions with the abiotic and biotic environment in which plants are grown.

Outcome 3: Synthesize knowledge and use insight and creativity to better understand and improve horticultural plant systems. (a) Develop, identify, and employ best management practices that lead to sustainable solutions and outcomes.

Outcome 4: Appreciate and communicate the diverse impacts of horticulture on people. (a) Communicate effectively with various audiences using oral, written, and visual presentation skills, and contemporary networking/social media technologies. (b) Describe the various ways
plants impact human well-being (mental; psychological and restorative; physical; medicinal and physiological).

**Outcome 5:** Demonstrate professionalism and proficiency in skills that relate to horticulture. (a) Demonstrate leadership and the ability to collaborate and work in teams. (b) Demonstrate a high level of personal and social responsibility. (c) Develop a plan for life-long learning as it relates to career choice and professionalism (d) Plan, engage, and learn from actions that demonstrate civic responsibility to community and society.