

Horticulture I (2026)

Apply leadership and durable employability skills. 1.00

1 Explain FFA opportunities available to students. 1.01

2 Implement durable employability skills. 1.02

3 Execute proper meeting management. 1.03

Apply work-based and experiential learning in horticulture. 2.00

1 Understand careers in the horticulture industry. 2.01

2 Implement a Supervised Agricultural Experience (SAE). 2.02

Understand plant biology and growth factors. 3.00

1 Explain plant parts and their functions. 3.01

2 Explain factors that influence plant growth and development. 3.02

Apply knowledge of environmental conditions for plant growth. 4.00

1 Apply the process to identify environmental conditions needed for plant growth. 4.01

2 Apply the process to identify optimum soil and media for plant growth. 4.02

3 Apply the process to identify essential nutrients needed for plant growth. 4.03

4 Apply the process to identify integrated pest management practices. 4.04

Apply knowledge of common plants grown in North Carolina. 5.00

1 Understand plant taxonomy. 5.01

2 Apply the process to identify common plants grown in North Carolina using plant identification practices. 5.02

Apply common plant propagation techniques. 6.00

1 Execute sexual plant propagation methods. 6.01

2 Execute asexual plant propagation methods. 6.02

Apply plant production in horticulture. 7.00

1 Compare garden, greenhouse, and nursery production practices. 7.01

2 Execute plant production practices. 7.02