

Industry Credential Alignment  
OCNT Core + Grower

| Courses                        | Horticulture A5                        |  |   |  |  |                                    |                              |                              |
|--------------------------------|--|--|---|--|--|------------------------------------|------------------------------|------------------------------|
|                                | <i>Landscape Hardscapes<br/>010640</i> | <i>Plant &amp; Horticulture<br/>Science 010155</i> | <i>Greenhouse &amp; Nursery<br/>Mgt. 010610</i> | <i>Landscape Systems Mgt.<br/>010615</i> | <i>Floral Design &amp; Mgt.<br/>010615</i> | <i>Landscape Design<br/>010630</i> | <i>Turf Grass Mgt 010635</i> | <i>Urban Forestry 010740</i> |
| Competency                     | 194                                    | 116  | 178   | 147                                      | 117  | 128                                | 158                          | 127                          |
| 1.1.1. Identify the            | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.2. Identify the scope of   | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.4. Describe the role and   | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.6. Explain the             | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.7. Apply problem-          | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.8. Identify the            | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.9. Give and receive        | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.10. Adapt personal         | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.1.11. Recognize different    | 1                                      |  | 1   | 1  |  | 1                                  | 1                            | 1                            |
| 1.1.12. Identify healthy       | 1                                      |  | 1   | 1  |  | 1                                  | 1                            | 1                            |
| 1.2.1. Extract relevant,       | 1                                      | 1  | 1   | 1  |  | 1                                  | 1                            | 1                            |
| 1.2.2. Deliver formal and      | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.3. Identify and use        | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.4. Use negotiation and     | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.5. Communicate             | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.6. Use proper grammar      | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.7. Use problem-solving     | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.8. Identify the            | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.10. Use interpersonal      | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.13. Identify stakeholders  | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.2.14. Use motivational       | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.3.2. Follow protocols and    |  |  | 1   |  | 1  |                                    |                              |                              |
| 1.3.3. Use ethical character   |  |  | 1   |  | 1  |                                    |                              |                              |
| 1.4.1. Use office equipment    | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.5.2. Describe how            |  |  |   |  |  |                                    |                              |                              |
| 1.5.3. Use cultural            |  |  |   |  |  |                                    |                              |                              |
| 1.5.4. Recognize barriers in   |  |  |   |  |  |                                    |                              |                              |
| 1.5.5. Recognize the ways      |  |  |   |  |  |                                    |                              |                              |
| 1.5.6. Analyze work tasks      |  |  |   |  |  |                                    |                              |                              |
| 1.5.7. Use intercultural       |  |  |   |  |  |                                    |                              |                              |
| 1.6.1. Identify business       | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.6.5. Describe                | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.6.9. Explain how the         | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.1. Identify how the roles | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.2. Determine the          | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.3. Communicate            | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.4. Identify the company   | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.5. Monitor customer       | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.6. Discuss the            | 1                                      | 1  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.10.7. Describe the           |  | 1  | 1   |  | 1  |                                    |                              |                              |
| 1.10.8. Use promotional        |  | 1  | 1   |  | 1  |                                    | 1                            |                              |
| 1.10.9. Describe how product   |  | 1  | 1   |  | 1  |                                    |                              |                              |
| 1.10.10. Demonstrate sales     |  | 1  | 1   |  | 1  |                                    |                              |                              |
| 1.12.9. Identify, inspect and  | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.12.10. Follow established    | 1                                      |  | 1   | 1  | 1  | 1                                  | 1                            | 1                            |
| 1.12.17. Identify symptoms of  |  |  | 1   |  |  |                                    |                              |                              |
| 4.1.2. Ensure the presence     | 1                                      |  |   | 1  |  |                                    | 1                            | 1                            |
| 4.1.3. Identify potential      | 1                                      |  |   | 1  |  |                                    | 1                            | 1                            |
| 4.1.4. Maintain machinery,     | 1                                      |  |   | 1  |  |                                    | 1                            | 1                            |
| 4.2.1. Follow                  | 1                                      |  |   | 1  | 1  |                                    | 1                            | 1                            |
| 4.2.2. Differentiate among     | 1                                      |  |   | 1  | 1  |                                    | 1                            | 1                            |
| 4.2.3. Perform pre- and        | 1                                      |  |   | 1  |  |                                    | 1                            | 1                            |
| 4.2.4. Perform appropriate     | 1                                      |  |   | 1  |  |                                    | 1                            | 1                            |
| 5.3.1. Identify, interpret     | 1                                      |  |   |  |  | 1                                  |                              |                              |
| 5.3.2. Apply proportional      | 1                                      |  |   |  | 1  | 1                                  |                              |                              |
| 5.3.3. Complete a site         | 1                                      |  |   |  |  | 1                                  | 1                            |                              |
| 5.3.8. Calculate the space     | 1                                      |  |   |  |  | 1                                  |                              |                              |
| 5.4.2. Interpret maps,         | 1                                      |  |   |  |  | 1                                  |                              |                              |
| 5.6.1. Compare and contrast    | 1                                      |  |   |  |  |                                    |                              |                              |
| 5.8.1. Calculate water         | 1                                      | 1  |   |  |  | 1                                  | 1                            |                              |
| 5.8.15. Describe how water     | 1                                      |  |   |  |  |                                    | 1                            |                              |
| 6.1.1. Identify soil forming   | 1                                      | 1  | 1   |  |  | 1                                  | 1                            | 1                            |
| 6.1.2. Describe the            | 1                                      | 1  | 1   | 1  |  | 1                                  | 1                            | 1                            |
| 6.1.3. Collect, test and       | 1                                      | 1  | 1   |  |  | 1                                  | 1                            | 1                            |
| 6.1.4. Identify factors (e.g., | 1                                      | 1  | 1   |  |  | 1                                  | 1                            | 1                            |
| 6.1.8. Describe soil           | 1                                      | 1  |   | 1  |  | 1                                  | 1                            | 1                            |
| 6.1.9. Evaluate soil survey    | 1                                      | 1  |   | 1  |  | 1                                  | 1                            | 1                            |
| 6.2.2. Measure pH,             |  | 1  |   |  |  |                                    | 1                            |                              |
| 6.2.3. Measure hardness,       |  | 1  |   |  |  |                                    | 1                            |                              |
| 6.2.4. Explain the             |  | 1  | 1   |  |  |                                    | 1                            |                              |
| 6.2.5. Explain the biotic      | 1                                      | 1  | 1   |  |  | 1                                  | 1                            |                              |
| 7.1.3. Measure the acidity,    |  |  |   |  |  |                                    |                              |                              |
| 7.1.9. Describe the            |  |  |   |  |  |                                    |                              |                              |
| 8.1.1. Compare and             |  | 1  | 1   | 1  |  |                                    | 1                            |                              |
| 8.1.2. Describe the            |  | 1  | 1   | 1  |  |                                    | 1                            |                              |
| 8.1.3. Determine the           |  | 1  | 1   | 1  |  |                                    | 1                            |                              |

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|----------------------------|------------------------|-------------|------------|-------------|-------------|-------------|----------|-------------|-------------|
| 8.1.4.                     | Identify symptoms      |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.1.5.                     | Collect soil and plant |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.1.6.                     | Analyze and draw       |             | 1          | 1           | 1           |             | 1        |             |             |
| 8.1.7.                     | Distinguish between    |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.1.8.                     | Calculate nutrient     | 1           | 1          | 1           | 1           | 1           | 1        |             |             |
| 8.1.9.                     | Determine the          | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.1.10.                    | Select the methods     | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.2.1.                     | Identify the           |             | 1          | 1           |             |             |          |             |             |
| 8.2.2.                     | Describe how biotic    |             | 1          | 1           | 1           |             |          |             |             |
| 8.2.3.                     | Compare and            |             | 1          | 1           |             |             |          |             |             |
| 8.2.4.                     | Select seeds and seed  |             | 1          | 1           | 1           |             | 1        |             |             |
| 8.2.5.                     | Select and apply       |             | 1          | 1           |             |             |          |             |             |
| 8.2.6.                     | Select and apply all   |             | 1          | 1           |             |             |          |             |             |
| 8.3.1.                     | Identify and classify  | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.2.                     | Examine the            | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.3.                     | Analyze and            | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.4.                     | Determine and          | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.5.                     | Evaluate the           | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.6.                     | Describe genetic       |             | 1          |             |             |             | 1        |             |             |
| 8.3.7.                     | Describe the types     |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.3.8.                     | Describe the types     |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.3.9.                     | Develop an IPM         | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.10.                    | Select application     | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.3.11.                    | Evaluate IPM plans     | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.1.                     | Identify and classify  | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.2.                     | Identify plant         | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.3.                     | Identify and classify  | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.4.                     | Explain requirements   |             | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.5.                     | Understand aerobic     |             | 1          |             | 1           |             | 1        | 1           |             |
| 8.4.6.                     | Identify the           | 1           |            | 1           |             | 1           | 1        | 1           |             |
| 8.4.7.                     | Identify the plant     | 1           |            | 1           |             | 1           | 1        | 1           |             |
| 8.4.8.                     | Understand the         | 1           |            | 1           |             | 1           | 1        | 1           |             |
| 8.4.9.                     | Manipulate natural     | 1           | 1          | 1           |             | 1           | 1        | 1           |             |
| 8.4.10.                    | Select, evaluate and   | 1           | 1          | 1           |             | 1           | 1        | 1           |             |
| 8.4.11.                    | Understand and         | 1           | 1          | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.12.                    | Evaluate and           |             |            | 1           |             |             | 1        | 1           |             |
| 8.4.13.                    | Evaluate and           | 1           |            | 1           |             | 1           | 1        | 1           |             |
| 8.4.14.                    | Control plant growth   | 1           |            | 1           |             | 1           | 1        | 1           |             |
| 8.4.15.                    | Analyze plant water    | 1           |            | 1           | 1           | 1           | 1        | 1           |             |
| 8.4.16.                    | Explain the process    |             | 1          | 1           | 1           |             | 1        | 1           |             |
| 8.4.17.                    | Recognize plant        |             |            | 1           |             |             | 1        | 1           |             |
| 8.5.1.                     | Identify               |             | 1          | 1           | 1           | 1           |          |             |             |
| 8.5.3.                     | Adjust to              |             | 1          | 1           | 1           |             |          |             |             |
| 8.5.4.                     | Evaluate techniques    |             | 1          | 1           | 1           |             |          |             |             |
| 8.5.6.                     | Evaluate the impact    |             | 1          | 1           | 1           | 1           |          |             |             |
| 8.5.7.                     | Identify harvesting    |             | 1          | 1           | 1           |             |          |             |             |
| 8.5.8.                     | Assess the stage of    |             | 1          | 1           |             | 1           |          |             |             |
| 8.5.10.                    | Implement non-         |             |            | 1           |             |             |          |             |             |
| 8.5.12.                    | Implement              |             | 1          | 1           |             | 1           |          |             |             |
| 8.6.1.                     | Describe safety        |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.2.                     | Adjust to              |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.3.                     | Apply harvesting,      |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.5.                     | Explain the proper     |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.6.                     | Maintain and           |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.7.                     | Prepare products for   |             | 1          | 1           | 1           | 1           |          |             |             |
| 8.6.8.                     | Identify storage       |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.9.                     | Monitor                |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.10.                    | Explain the reasons    |             |            | 1           | 1           | 1           |          |             |             |
| 8.6.11.                    | Implement and          |             |            | 1           | 1           | 1           |          |             |             |
| Total Number of Aligned Cc |                        | 78          | 84         | 107         | 85          | 63          | 69       | 93          | 78          |
| Percent Aligned            |                        | 40.20618557 | 72.4137931 | 60.11235955 | 57.82312925 | 53.84615385 | 53.90625 | 58.86075949 | 61.41732283 |