

# Tennessee Specific Industry Certification

## Horticulture Science

### Program of study: Horticulture Science

### Courses in the program of study:

- Agriscience (5957)
- Principles of Plant Science and Hydroculture (6119)
- Greenhouse Management (5954) or Introduction to Plant Science (4269)
- Landscaping and Turf Science (5951)

### Description

The Tennessee Specific Industry Certification (TSIC) for Horticulture Science is a capstone certification created by industry partners, secondary career and technical education (CTE) teachers, and postsecondary faculty representing Blankenship Farms and Nursery, Dyer County Schools, Riverbend Nurseries and Garden Center, Robinson & Belew, Inc., Rutherford County Schools, Tennessee Association of Agricultural Educators, Tennessee Board of Regents, Tennessee Chamber of Commerce and Industry, Tennessee Department of Agriculture, Tennessee Department of Economic and Community Development, Tennessee Department of Education, Tennessee Farm Bureau Federation, Tennessee High Education Commission, Tennessee Independent Colleges and Universities Association, Tennessee Nursery and Landscape Association, Tennessee State University, Tennessee Tech University, Unicoi County Schools, University of Tennessee Extension Service, University of Tennessee Institute of Agriculture, and Walters State Community College. It is designed to be a culminating examination of student mastery within the horticulture science program of study.

Students who sit for a TSIC exam, and meet the established passing score, earn an industry certification, as well as three hours of transferable credit at public postsecondary institutions. Schools offering all the courses outlined in the horticulture science program of study are eligible to provide the TSIC exam by completing an annual memorandum of understanding. Students will sit for the exam at the completion of the fourth course within the program of study.

### Materials and Resources

A variety of training materials and resources can be found on the [Agriculture, Food, and Natural Resource](#) career cluster webpage.

### Testing Centers

The certification exams are delivered in a proctored environment arranged by the local high school. The local designated TSIC testing coordinator will provide additional information.

## Test Owner and Registration

### Regulatory Entity

Tennessee Department of Education, Division of College, Career & Technical Education, Office of Career & Technical Education

Phone: (615) 532-2847

### Certification Entity

Tennessee Farm Bureau Federation

Phone: (931) 388-7872 ext. 2759

### Registration Procedures

The department provides registration details to schools during the spring semester, outlining eligibility requirements for participating in the pilot program during the next school year. The TSIC testing coordinator will provide fall and spring testing information for each approved school. Contact [Steven.Gass@tn.gov](mailto:Steven.Gass@tn.gov) for additional information.

## Tennessee Specific Industry Certification (TSIC) for Horticulture Science

<b>Exam Codes</b>	Tennessee Specific Industry Certification (TSIC) for Horticulture Science
<b>Contact:</b>	<a href="mailto:Steven.Gass@tn.gov">Steven.Gass@tn.gov</a> or (615) 532-2847
<b>Exam Description</b>	The capstone certification is designed to be a culminating examination of student mastery within the horticulture science program of study. Content areas covered include business principles, growing structures and environmental controls, plant genetics and reproduction, growing media, landscape design, plant anatomy and physiology, plant disorders, diseases, pest management, plant nutrition, plant selection and maintenance, safety, plant and soil science, and water management. Students shall demonstrate practical knowledge, care, instillation, and management of plants and landscapes in multiple environments.
<b>Number of Questions</b>	100 questions
<b>Type of Questions</b>	Multiple-choice, single answer
<b>Length of Test</b>	Two hours
<b>Passing Score</b>	70 percent
<b>Price</b>	No testing fee