



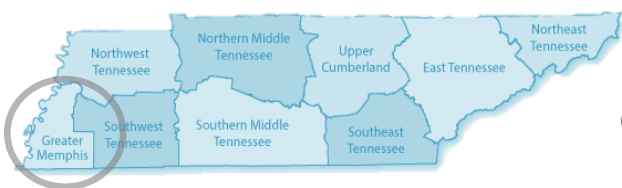
# Agriculture, Food and Natural Resources



Regional Career Opportunities – Listed by Highest Projected Demand



Job Zone 1 High School Diploma or Less	Job Zone 2 High School Diploma	Job Zone 3 Certificate or Associate's Degree	Job Zone 4 Bachelor's Degree	Job Zone 5 Master's or Doctorate Degree
<b>Farmworkers &amp; Laborers, Crop, Nursery &amp; Greenhouse</b> Annual Openings = 110 Median Wage = \$23,712	<b>Nonfarm Animal Caretakers</b> Annual Openings = 120 Median Wage = \$23,073	<b>Agricultural &amp; Food Science Technicians</b> Annual Openings = 15 Median Wage = \$41,230**	<b>Biological Technicians</b> Annual Openings = 35 Median Wage = \$30,808	<b>Environmental Engineers</b> Annual Openings = 30 Median Wage = \$74,411 ★
<b>Graders &amp; Sorters, Agricultural Products</b> Annual Openings = 25 Median Wage = \$24,377	<b>Farmworkers, Farm, Ranch &amp; Aquacultural Animals</b> Annual Openings = 55 Median Wage = \$29,662	<b>Water &amp; Waste Treatment Plant &amp; Systems Operators</b> Annual Openings = 10 Median Wage = \$45,489	<b>Environmental Science &amp; Protection Technicians</b> Annual Openings = 20 Median Wage = \$46,540** ★	<b>Natural Sciences Managers</b> Annual Openings = 15 Median Wage = \$125,114 ★
<i>Few regional occupations in this career cluster require education at this degree level.</i>	<b>Refuse &amp; Recyclable Material Collectors</b> Annual Openings = 40 Median Wage = \$36,293 ★	<b>Forest &amp; Conservation Technicians</b> Annual Openings = no data Median Wage = \$45,500**	<b>Environmental Engineering Technicians</b> Annual Openings = 15 Median Wage = \$36,419 ★	<i>Few regional occupations in this career cluster require education at this degree level.</i>
	<i>Few regional occupations in this career cluster require education at this degree level.</i>	<i>Few regional occupations in this career cluster require education at this degree level.</i>	<b>Food Scientists &amp; Technologists</b> Annual Openings = 10 Median Wage = \$54,916*	
			<b>Buyers &amp; Purchasing Agents, Farm Products</b> Annual Openings = 5 Median Wage = \$64,380**	



★ Top five high-value occupations in this cluster for the **Greater Memphis Region**

Occupations with the highest annual openings that are stable or growing with median wages above \$35,000 are considered high-value.

\* = state data was used due to limitations in regional data.  
\*\* = national data was used due to limitations in regional and state data.





# Agriculture, Food and Natural Resources



## Regional High School Requirements and Programs

English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Elective Focus
English I	Algebra I	Biology	World History and Geography	Foreign Language I	Lifetime Wellness	Fine Arts Selection	Minimum of Three Courses  <i>See Agriculture, Food and Natural Resources career programs below.</i>
English II	Geometry	Chemistry	U.S. History	Foreign Language II	Strength and Exercise	-----	
English III	Algebra II	Physics	Economics and Government	-----	-----	-----	
English IV	4 <sup>th</sup> Math Course	-----	-----	-----	-----	-----	

Year	Horticultural Science	Veterinary and Animal Science	Additional Electives	Regional Postsecondary Schools	
9	Agriscience / Student Success	Agriscience / Student Success	<input type="checkbox"/> _____	<b>Certificates and Associate's Degrees</b>  <b>Community Colleges</b> <ul style="list-style-type: none"> <li>Southwest Tennessee Community College</li> <li>Tennessee College of Applied Technology</li> </ul>	<b>Bachelor's and Advanced Degrees</b>  <b>Colleges and Universities</b> <ul style="list-style-type: none"> <li>University of Memphis</li> <li>University of Tennessee                             <ul style="list-style-type: none"> <li>- Heath Sciences Center</li> <li>- College of Medicine</li> </ul> </li> <li>Rhodes College</li> <li>Christian Brothers University</li> <li>Le Moyne-Owen College</li> </ul>
10	Agriscience / Career Success (LDC)	Agriscience / Career Success (LDC)	<input type="checkbox"/> _____		
11	Landscaping and Turf Science	Dual Enrollment Vet & Animal Science I	<input type="checkbox"/> _____ <input type="checkbox"/> _____		
12	Dual Enrollment Greenhouse Management	Dual Enrollment Vet & Animal Science II	<input type="checkbox"/> _____		

## Postsecondary Programs / Majors for Occupations in this Career Cluster

<b>Certificate or AA</b>	Food Technology Processing	Water Quality & Wastewater Treatment Management	Forest Technology / Technician	***	***
<b>Bachelor's Degree</b>	Biology Technician	Physical Science Technologies	Environmental Engineering Technologies	Food Science	Agricultural / Farm Supplies Retailing & Wholesaling
<b>Advanced Degree</b>	Environmental Engineering	Natural Sciences	***	***	***