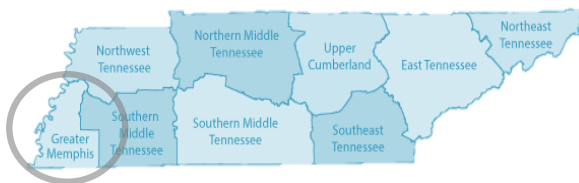# Information Technology

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
Few regional occupations in this career cluster require education at this degree level.	*Few regional occupations in this career cluster require education at this degree level.*	**Computer User Support Specialists** Annual Openings = 220 Median Wage = $47,120 ★	**Computer Systems Analysts** Annual Openings = 120 Median Wage = $69,886 ★	*Few regional occupations in this career cluster require education at this degree level.*
		Web Developers Annual Openings = 40 Median Wage = $56,510	**Network & Computer Systems Administrators** Annual Openings = 80 Median Wage = $75,608 ★	
		Few regional occupations in this career cluster require education at this degree level.	**Computer Occupations, All Other** Annual Openings = 65 Median Wage = $78,509 ★	
			Computer Network Support Specialists Annual Openings = 50 Median Wage = $55,614 ★	
			Computer Network Architects Annual Openings = 25 Median Wage = $111,154	

★ Top five high-value occupations in this career 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 level data was used due to limitations in regional data.

Explore careers at onetonline.com

Northwest Tennessee, Northern Middle Tennessee, Upper Cumberland, East Tennessee, Northeast Tennessee, Greater Memphis, Southern Middle Tennessee, Southeast Tennessee

Information Technology

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
English II	Geometry	Chemistry	U.S. History	Foreign Language II	Strength and Exercise	------	*Required: Freshman Mentoring Seminar*
English III	Algebra II	Physics	Economics and Government	------	------	------	*See Information Technology career programs below.*
English IV	4th Math Course	-----	------	------	------	------	

Year	Coding Program	Cybersecurity Program
9	Freshman Mentoring Seminar (required)	Freshman Mentoring Seminar (required)
10	Career Success	Career Success
11	Computer Science Foundations	Cybersecurity I
12	AP Computer Science	Cybersecurity II

Additional Electives

- ❑ _____
- ❑ _____
- ❑ _____
- ❑ _____
- ❑ _____
- ❑ _____

Regional Postsecondary Schools

Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
Community Colleges	**Colleges and Universities**

• Southwest Tennessee Community College
• Tennessee College of Applied Technology
	• University of Memphis
	• University of Tennessee
	  - Heath Sciences Center
	  - College of Medicine
	• Rhodes College
	• Christian Brothers University
	• Le Moyne-Owen College

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificate or AA	Computer IT – System Administration Management	Computer IT – Networking	Computer IT – Programming	Computer IT – Cyber Defense	Web Technology
Bachelor's Degree	Information Technology	Computer Science	Business Information Technology	Technology Management Services	Computer Science - Cybersecurity
Advanced Degree	Computer Science	Information Sciences	Computer Engineering	***	***

*** Few occupations in this career cluster require education at this degree level.

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