



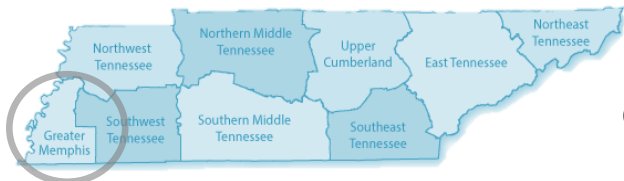
Health Science



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
<i>Few regional occupations in this career cluster require education at this degree level.</i>	Nursing Assistants Annual Openings = 625 Median Wage = \$29,660**	Registered Nurses Annual Openings = 720 Median Wage = \$66,122 ★	Medical & Clinical Laboratory Technologists Annual Openings = 90 Median Wage = \$53,120** ★	Medical & Health Services Managers Annual Openings = 190 Median Wage = \$99,747 ★
	Home Health Aides Annual Openings = 175 Median Wage = \$25,280**	Medical Assistants Annual Openings = 440 Median Wage = \$33,561	Biomedical Engineers Annual Openings = 10 Median Wage = \$65,065	Nurse Practitioners Annual Openings = 80 Median Wage = \$103,660
	Physical Therapist Aides Annual Openings = 20 Median Wage = \$24,460	Medical Secretaries Annual Openings = 310 Median Wage = \$32,382	Recreational Therapists Annual Openings = 5 Median Wage = \$48,448	Physicians & Surgeons Annual Openings = 75 Median Wage = no data
	Medical Equipment Preparers Annual Openings = 15 Median Wage = \$34,117	Licensed Practical & Licensed Vocational Nurses Annual Openings = 285 Median Wage = \$45,131 ★	<i>Few regional occupations in this career cluster require education at this degree level.</i>	Pharmacists Annual Openings = 60 Median Wage = \$129,342
	Dietic Technicians Annual Openings = 10 Median Wage = \$18,257	Pharmacy Technicians Annual Openings = 210 Median Wage = \$36,379 ★		Medical Scientists Annual Openings = 50 Median Wage = \$72,434



★ 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.





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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 Health Science 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 th Math Course	-----	-----	-----	-----	-----	

Year	Technical & Community College Pathway		Additional Electives	Regional Postsecondary Schools	
	Therapeutic Services	Nursing Services		Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
9	Student Success	Student Success	<input type="checkbox"/> _____	Community Colleges <ul style="list-style-type: none"> Southwest Tennessee Community College Tennessee College of Applied Technology 	Colleges and Universities <ul style="list-style-type: none"> University of Memphis University of Tennessee - Heath Sciences Center - College of Medicine Rhodes College Christian Brothers University Le Moyne-Owen College
10	Health Science Education / Career Success (LDC)	Health Science Education / Career Success (LDC)	<input type="checkbox"/> _____		
11	Dual Enrollment Pharmacy Tech I	Dual Enrollment Nursing I	<input type="checkbox"/> _____		
12	Dual Enrollment Pharmacy Tech II / Clinical Intern	Dual Enrollment Nursing II / Clinical Intern	<input type="checkbox"/> _____		

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Nursing	Medial / Clinical Assistant	Medical Office Assistant	Licensed Practical / Vocational Nursing	Pharmacy Technician
Bachelor's Degree	Medical / Clinical Laboratory Science	Biomedical Engineering	Recreational Therapy	***	***
Advanced Degree	Healthcare Administration	Family Nurse Practitioner	Doctor of Medicine	Doctor of Pharmacy	Medical Science



Health Science



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 Health Science 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 th Math Course	-----	-----	-----	-----	-----	

Year	University Pathway			Regional Postsecondary Schools	
	Therapeutic Services	Diagnostic Services	Sport and Human Performance	Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
9	Student Success	Student Success	Student Success	Community Colleges <ul style="list-style-type: none"> Southwest Tennessee Community College Tennessee College of Applied Technology 	Colleges and Universities <ul style="list-style-type: none"> University of Memphis University of Tennessee <ul style="list-style-type: none"> Health Sciences Center College of Medicine Rhodes College Christian Brothers University Le Moyne-Owen College
10	Health Science Education / Career Success (LDC)	Health Science Education / Career Success (LDC)	Health Science Education / Career Success (LDC)		
11	Dual Enrollment Anatomy & Physiology OR Dual Enrollment Nutrition	Diagnostic Medicine	Dual Enrollment Anatomy & Physiology		
12	Dual Enrollment Anatomy & Physiology OR Dual Enrollment Nutrition	Dual Enrollment Anatomy & Physiology	Dual Enrollment Exercise Science		

Postsecondary Programs / Majors for Occupations in this Career Cluster

Certificate or AA	Nursing	Medial / Clinical Assistant	Medical Office Assistant	Licensed Practical / Vocational Nursing	Pharmacy Technician
Bachelor's Degree	Medical / Clinical Laboratory Science	Biomedical Engineering	Recreational Therapy	***	***
Advanced Degree	Healthcare Administration	Family Nurse Practitioner	Doctor of Medicine	Doctor of Pharmacy	Medical Science