

## Ohio Health Science Suites Course

In assessing the units and competencies for the Ohio Health Science Career Pathway we determined which units had at least one competency that would be met by the Suites that we propose for a health science course. Here are the results of our findings:

**Total # of units in the Ohio Health Science Career Pathway: 50**

### Number of Units that had a least one competency covered by Suite

	<b>Health Care</b>	<b>Health Science</b>	<b>Forensic Science</b>	<b>Genetics</b>	<b>AgBiotech</b>
<b>Units covered</b>	18	21	20	15	21
<b>% of units covered</b>	36%	42%	40%	30%	42%

**Total units covered by the standard grouping of health science Suites: 33 of 50 for 66%**

This standard grouping is the following four Suites:

- Health Care
- Forensic Science
- Health Science
- Genetics

#### List of units not met by Health Science Suites:

- Unit 7: Phlebotomist Specialization
- Unit 8: Practical Nurse Specialization
- Unit 11: Nurse Assistant Specialization
- Unit 14: Surgical Technician Specialization
- Unit 16: EMS Specialization: Patient Assessment
- Unit 18: EMS Specialization: Cardiology
- Unit 19: EMS Specialization: Medical Emergencies
- Unit 20: EMS Specialization: Trauma
- Unit 21: EMS Specialization: Pediatrics
- Unit 22: EMS Specialization: Obstetrics and Gynecology
- Unit 23: EMS Specialization: Geriatrics
- Unit 29: Exercise Science: Injury Recognition and Prevention
- Unit 30: Exercise Science: Rehabilitation and Treatment
- Unit 32: Health Information Management (HIM) Services

If it is desired to replace one of the four standard health science Suites with Agbiotech then use the following numbers to recalculate the total. These numbers reflect the number of units where that Suite is the only Suite that hits a particular unit. Health Care has four units where it is the only Suite that addresses those units. So, if you wanted to replace Health Care with Agbiotech you would add three to the total number and subtract four giving you a total of 32 of 50 units covered.

- Health Care - 4
- Forensic Science - 2
- Agbiotech - 3
- Genetics - 0
- Health Science - 2

Unit	Health Care	Health Science	Forensic Science	Genetics	AgBiotech
<b>Health Science Core Body of Knowledge</b>					
Unit 1: Career Exploration, Development and Employability Traits	X	X	X	X	X
Unit 2: Business Processes	X				
Unit 3: Communication	X	X	X	X	X
Unit 4: Legal and Ethical Responsibilities	X	X	X	X	X
Unit 5: Health and Safety Practices	X	X	X	X	X
Clinical Health Care Services Pathway					
Unit 6: Clinical Health Care Services Core Competencies	X	X	X	X	
Unit 7: Phlebotomist Specialization					
Unit 8: Practical Nurse Specialization					
Unit 9: Medical Assistant Specialization	X	X	X		X
Unit 10: Massage Therapist Specialization	X	X	X		
Unit 11: Nurse Assistant Specialization					
Unit 12: Dental Assistant Specialization	X		X		
Unit 13: Pharmacy Technician Specialization	X				
Unit 14: Surgical Technician Specialization					
Unit 15: EMS Specialization	X				
Unit 16: EMS Specialization: Patient Assessment					
Unit 17: EMS Specialization: Airway and Ventilation	X				
Unit 18: EMS Specialization: Cardiology					
Unit 19: EMS Specialization: Medical Emergencies					
Unit 20: EMS Specialization: Trauma					
Unit 21: EMS Specialization: Pediatrics					
Unit 22: EMS Specialization: Obstetrics and Gynecology					
Unit 23: EMS Specialization: Geriatrics					
Unit 24: Exercise Science/Sports and Recreational Health Care Orientation		X			
Unit 25: Exercise Science: Functional Anatomy and Exercise Science	X	X	X		
Unit 26: Exercise Science: Health Appraisal and Fitness Testing	X	X			
Unit 27: Exercise Science: Exercise Programming	X	X			
Unit 28: Exercise Science: Nutrition and Weight Management	X	X			
Unit 29: Exercise Science: Injury Recognition and Prevention					
Unit 30: Exercise Science: Rehabilitation and Treatment					
Unit 31: Exercise Science: Education and Counseling		X			
Health Information Management Services Pathway					
Unit 32: Health Information Management (HIM) Services					
<b>Support Services Pathway</b>					
Unit 33: Support Services			X		

<b>Bioscience Research and Development Pathway</b>						
Unit 34: Demonstrate Scientific Method		X	X	X	X	
Unit 35: Conducting Experiments		X	X	X	X	
Unit 36: Laboratory Safety and Maintenance		X	X	X	X	
Unit 37: Instrument Analysis			X	X	X	
Unit 38: Chemical Materials Handling and Sampling		X	X		X	
Unit 39 : Physical Properties Measurement		X			X	
Unit 40: Biohazard Storage, Handling and Disposal			X		X	
Unit 41: Basic Microbiology				X	X	
Unit 42: Biochemical Technology		X	X	X	X	
Unit 43: Molecular Biology Technology			X	X	X	
Unit 44: Cell Culturing				X	X	
Unit 45: Protein Bioseparation Methods			X			
Unit 46: Fermentation Technology					X	
Unit 47: Microbiology for Biotechnology					X	
Unit 48: Bioethics	X	X	X	X	X	
Unit 49: Introduction to Biotechnology Industry					X	
Unit 50: Technical Writing and Documentation	X	X	X	X	X	
<b>Totals</b>		<b>18</b>	<b>21</b>	<b>21</b>	<b>15</b>	<b>21</b>