### Health Science
#### Unitec Career Cluster Program of Study

This Program of Study Template can serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals.

**Ask your high school counselor to help you fill in the required courses you need to graduate.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>English 8 semesters</th>
<th>Math 6 semesters</th>
<th>Science 6 semesters</th>
<th>Social Studies 6 semesters</th>
<th>Other Required Courses, Recommended Electives</th>
<th>Career &amp; Technical Courses and/or Degree Major Courses</th>
<th>SAMPLE Occupations Relating to this Pathway</th>
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<tbody>
<tr>
<td>9</td>
<td>Comm Arts I</td>
<td>Pre- College Algebra or high school math class</td>
<td>High School Science Course</td>
<td>High School SS Course</td>
<td>Health Classes High school biological science classes</td>
<td>High School health classes Check with high school counselor for additional course offerings</td>
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<tr>
<td>10</td>
<td>Comm Arts II</td>
<td>Pre- College Algebra or high school math class</td>
<td>High School Science Course</td>
<td>High School SS Course</td>
<td>Health Classes High school biological science classes</td>
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<tr>
<td>11</td>
<td>Comm Arts II</td>
<td>High school English elective</td>
<td>Pre- College Algebra or high school math class</td>
<td>High School Science Course</td>
<td>High School History or Government Course</td>
<td>Health Classes High school biological sciences</td>
<td>Check with high school counselor for additional course offerings</td>
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<td></td>
<td>*College Am. History I &amp; Am. History II *American Political systems</td>
<td>*College level Psychology *College level Sociology *Med Term I &amp; II</td>
<td>**Unitec Health Occupations Program (CNA) *Farmington High School CNA Program</td>
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<td>*College Med Term I &amp; II *Emergency Medical Responder *College Human Growth &amp; Dev *College Child Development</td>
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<tr>
<td>12</td>
<td>*College English Comp II or Intro to Lit</td>
<td>Pre- College Algebra or high school math class</td>
<td>High School Science Course</td>
<td>High School History or Government Course</td>
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</tbody>
</table>

*+Dual Credit or Dual Enrollment College courses can often be substituted for high school credit. Check with your Counselor.

Assessments/Certifications: College Placement Assessments, Compass, ACT, SAT

Clubs/Extracurricular Activities: Ask your Counselor what is available at your school.

Work-Based Learning: □ After School Employment □ Internship/Mentorship □ Job Shadowing □ Service Learning

Certifications: □ HeartSaver First Aid □ HeartSaver CPR □ Basic Life Support (BLS)
### Sample Career Specialties/Occupations

- Acupuncturist
- Anesthesiologist/Assistant
- Anesthesiology Technologist/Technician
- Art/Music/Dance Therapist(s)
- Athletic Trainer
- Audiologist
- Certified Nursing Assistant
- Chiropractor
- Chiropractic Assistant
- Dental Assistant/Hygienist
- Dental Lab Technician
- Dietitian/Nutritionist
- Dosimetrist
- EMT/Paramedic
- Endodontist
- Exercise Physiologist
- Home Health Aide
- Kinesitherapist
- Licensed Practical Nurse
- Massage Therapist
- Medical Assistant
- Mental Health Counselor
- Naturopathic Doctor
- Nurse Anesthetist
- Nurse Midwife
- Nurse Practitioner
- Occupational Therapist/Assistant
- Oral Surgeon
- Orientation/Mobility Specialist
- Orthodontist
- Orthopedist
- Orthopedist/Prosthetist/Technician
- Peodriatrician
- Perfusionist
- Pharmacist
- Pharmacy Technician
- Physical Therapist/Assistant
- Physician (MD/DO)
- Physician Assistant
- Podiatrist
- Psychologist
- Psychiatrist
- Radiation Therapist
- Recreation Therapist
- Registered Nurse
- Rehabilitation Counselor
- Respiratory Therapist
- Speech-Language Therapist
- Surgical Technician
- Veterinarian
- Veterinary Assistant/Technician
- Vision Rehabilitation Therapist
- Wellness Coach

### Therapeutic Services

- Audiologist
- Blood Bank Technology Specialist
- Cardiovascular Technology
- Clinical Lab Technician
- Clinical Laboratory/Technologist
- Computer Tomography (CT)
- Dentist
- Diagnostic Medical Sonographer
- Electrocardiographic (ECG)
- Endodontist
- Electronic Diagnosticians
- Histotechnician
- Histotechnology
- Magnet Resonance Technology
- Mammographer
- Medical Technology/ Clinical Laboratory Scientist
- Nuclear Medicine Technology
- Optician
- Ophthalmology
- Ophthalmic Assistant/Technologist
- Optometry
- Pathology
- Pathologists' Assistant
- Phlebotomist
- Polysomnographic Technologist
- Positron Emission Tomography (PET) Technologist
- Radiologic Technology
- Radiologist
- Speech-Language Pathologist

### Diagnostics Services

- Admitting Clerk
- Applied Researcher
- Compliance Technician
- Clinical Account Manager
- Clinical Account Technician
- Clinical Data Specialist
- Community Services Specialist
- Data Quality Manager
- Epidemiologist
- Ethicist
- Health Educator
- Health Information Mgmt. Administrator
- Health Information Mgmt. Technician
- Healthcare Access Manager
- Healthcare Administrator
- Healthcare Finance Informatician
- Information Privacy Officer
- Managed Care Contract Analyst
- Medical Coder
- Medical Historian
- Medical Illustrator
- Medical Information Technology
- Medical Librarian
- Medical Transcriptionist
- Mental Health Counselor
- Patient Account Manager
- Patient Advocate
- Patient Information Coordinator
- Project Manager
- Public Health Educator
- Quality Management Specialist
- Quality Data Analyst
- Research and Decision Support Specialist
- Reimbursement Specialist
- Risk Manager
- Unit Coordinator
- Utilization Manager
- Utilization Review Manager

### Health Informatics

- Animal Behavioralist
- Biomedical/Clinical Engineer
- Biomedical/Clinical Technician
- Clinical Simulator Technician
- Central Service Manager
- Central Service Technician
- Community Health Worker
- Dietary Manager
- Dietetic Technician
- Environmental Health Advocate
- Environmental Health Practitioner
- Environmental Services Specialist
- Facilities Manager
- Food Safety Specialist
- Health Advocate
- Hospital Management Engineer
- Industrial Hygienist
- Interpreter
- Martial, Couple, Family Counselor/Therapist
- Materials Manager
- Medical Health Counselor
- Mortician/ Funeral Director
- Nurse Educator
- Occupational Health Nurse
- Occupational Health & Safety Expert
- Social Worker
- Transport Technician

### Support Services

- Biochemist
- Bioinformatics Scientist
- Biomedical Chemist
- Biomedical Manufacturing Technician
- Biostatistician
- Cancer Registrar
- Cell Biologist
- Clinical Data Management Specialist
- Clinical Pharmacologist
- Clinical Trials Monitor
- Clinical Trials Research Coordinator
- Crime Scene Investigator
- Diagnostic Molecular Scientist
- Forensic Biologist
- Forensic Chemist
- Forensic Odontologist
- Forensic Pathologist
- Genetic Counselor
- Geneticist-Lab Assistant
- Lab Technician
- Medical Editor/Writer
- Microbiologist
- Molecular Biologist
- Nurse Researcher
- Packaging Technician
- Patent Lawyer
- Pharmaceutical/Clinical Project Manager
- Pharmaceutical Sales Representative
- Pharmaceutical Scientist
- Pharmacokineticist
- Pharmacologist
- Product Safety Scientist
- Process Development Scientist
- Processing Technician
- Quality Assurance Technician
- Quality Control Technician
- Regulatory Affairs Specialist
- Research Assistant
- Research Scientist
- Toxicologist

### Biotechnology Research and Development

- * Academic Foundation
- * Communications
- * Systems
- * Employability Skills
- * Legal Responsibilities
- * Ethics
- * Safety Practices
- * Teamwork
- * Health Maintenance Practices
- * Technical Skills
- * Information Technology Applications

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**Cluster Knowledge and Skills**

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