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>
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<th>Social Studies 6 semesters</th>
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<td>Occupations Requiring Less than Baccalaureate Degree</td>
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<td>High School Science Course *College General Biology</td>
<td>High School History or Government Course</td>
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<td>*College English Comp I or Public Speaking</td>
<td>*College Algebra</td>
<td>* College Am. History I &amp; Am. History II *American Political systems</td>
<td>*College Psychology *College Sociology *Med Term I &amp; II *Human Growth &amp; Development</td>
<td>*Unitec Health Occupations Program (CNA) *College Med Term I &amp; II *Emergency Medical Responder *College Human Growth &amp; Dev *Human Anatomy &amp; Physiology *Calculus – Pre-med or masters degree and above</td>
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<td>*College Med Term I &amp; II *Emergency Medical Responder *College Human Growth &amp; Dev *Human Anatomy &amp; Physiology *Calculus – Pre-med – Pre-med and masters degree and above</td>
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<td>College Placement Assessments, Compass, ACT, SAT</td>
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<td>Clubs/Extracurricular Activities:</td>
<td>Ask your Counselor what is available at your school.</td>
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</tbody>
</table>

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
Acupuncturist  
Anesthesiologist/Assistant  
Anesthesia 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  
Orthotist/Prosthetist/Technician  
Pedorthist  
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  

Audiologist  
Blood Bank Technology Specialist  
Cardiovascular Technologist  
Clinical Lab Technician  
Clinical Laboratory/Technologist  
Computer Tomography (CT)  
Technologist  
Cyto genetic Technologist  
Cytotechnologist  
Dentist  
Diagnostic Medical Sonographer  
Electrocardiographic (ECG)  
Technician  
Electroneurodiagnostic Technologist  
Electronic Diagnostic (EEG)  
Technologist  
Exercise Physiologist  
Geneticist  
Geriatrician  
Histotechnician  
Histotechnologist  
Magnetic Resonance Technologist  
Mammographer  
Medical Technologist/ Clinical Laboratory Scientist  
Nuclear Medicine Technology  
Optician  
Ophthalmologist  
Ophthalmic Assistant/Technologist  
Optometrist  
Pathologist  
Pathologists’ Assistant  
Phlebotomist  
Polysomnographic Technologist  
Positron Emission Tomography (PET)  
Technologist  
Radiologic Technologist  
Radiologist  
Speech-Language Pathologist  
Admitting Clerk  
Applied Researcher  
Compliance Technician  
Clinical Account Manager  
Clinical Account Technician  
Clinical Data Specialist  
Community Services Specialists  
Data Quality Manager  
Epidemiologist  
Ethicist  
Health Educator  
Health Information Mgmt. Administrator  
Health Information Mgmt. Technician  
Healthcare Access Manager  
Healthcare Administrator  
Healthcare Finance Information  
Information Privacy Officer  
Managed Care Contract Analyst  
Medical Coder  
Medical Historian  
Medical Illustrator  
Medical Information Technologist  
Medical Librarian  
Medical Transcriptionist  
Patient Account Manager  
Patient Account Technician  
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  
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 Maintenance 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  
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

Cluster Knowledge and Skills

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

Revised July 2009  www.careerclusters.org

Sample Career Specialties/Occupations

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<tr>
<th>Therapeutic Services</th>
<th>Diagnostics Services</th>
<th>Health Informatics</th>
<th>Support Services</th>
<th>Biotechnology Research and Development</th>
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</table>

Differential and Declarative Knowledge

- Communication
- Clinical Logic
- Decision Making
- Evaluation & Analysis

Practical Knowledge

- Health Services
- Clinical Procedures
- Equipment & Technology

Interpersonal Skills

- Leadership
- Teamwork
- Collaboration

Technical Skills

- Medical Record Management
- Clinical Decision Support
- Patient Safety

Information Technology Applications

- Electronic Health Records
- Telemedicine
- Informatics

Legal Responsibilities

- Patient Rights
- Privacy and Confidentiality
- Compliance with Regulations

Employability Skills

- Adaptability
- Professionalism
- Critical Thinking
- Creativity