# Liberty High School

## Health Science

### Health Science Pathway

This program of study should 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 coursework to meet each learner’s educational and career goals.

<table>
<thead>
<tr>
<th>Education Levels</th>
<th>Grade</th>
<th>English / Language Arts</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies / Sciences</th>
<th>Other Required Courses and Electives</th>
<th>Recommended Electives and Learner Activities</th>
<th>‘Career and Technical Courses and/or Degree</th>
<th>Student Leadership Organizations</th>
<th>Certification or Credential</th>
<th>Community Partners</th>
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<tbody>
<tr>
<td>University</td>
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<tr>
<td><strong>HS</strong></td>
<td>9</td>
<td>English Language Arts 9</td>
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<td>Algebra 1, Geometry, Algebra 2 (see counselor for placement)</td>
<td>World Studies</td>
<td>PE 1</td>
<td>Intro to Health Science Professions</td>
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<td>Sophomore English/English Language Arts 10</td>
<td>Geometry Algebra 2 Calculus (see counselor for placement)</td>
<td>Chemistry</td>
<td>Health/PE 2</td>
<td>Environmental Science</td>
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<td>English Language Arts 11</td>
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<td>Algebra 2 Pre-Calculus (see counselor for placement)</td>
<td>Biology, AP Biology,</td>
<td>US History/AP US History</td>
<td>Psych/Soc</td>
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<td>HS</td>
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<td>Pre-Calculus, AP Statistics, AP Calculus (see counselor for placement)</td>
<td>AP Biology, AP Chemistry, AP Environmental, AP Physics</td>
<td>Economics People and Politics</td>
<td>Applied Arts/Foreign Lang/CTE</td>
<td>Anatomy &amp; Physiology Health Sciences I</td>
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<td>11</td>
<td>English Language Arts 12</td>
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<td>Pre-Calculus, AP Statistics, AP Calculus (see counselor for placement)</td>
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<td>Internship</td>
<td><em>Medical Assistant</em></td>
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<td>12</td>
<td>HS</td>
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<td>Internship</td>
<td><em>Medical Assistant</em></td>
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### Certificates/Degrees/Occupations

- **1-year Certificate**
  - Medical Assistant CIPS #510801

### First Term

<table>
<thead>
<tr>
<th>Term</th>
<th>Program of Study</th>
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<tbody>
<tr>
<td>FIRST TERM</td>
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</tr>
<tr>
<td>BI 122</td>
<td>Intro to Human Anatomy and Physiology</td>
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<tr>
<td>MA 112</td>
<td>Medical Office Assistant Seminar I</td>
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<tr>
<td>MA 117</td>
<td>Medical Office Administration Procedures</td>
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<td>MA 118</td>
<td>Medical Office Administration Procedures Lab</td>
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<tr>
<td>MA 120</td>
<td>Intro to Clinical Phlebotomy</td>
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<tr>
<td>PSY 101</td>
<td>Psychology and Human Relations</td>
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</tbody>
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Kaiser Permanente

Hillsboro CC-STW

Portland Community College

Pacific University

Hillsboro Fire Department

Washington County DHS

Avamere

Provide Health System

WOU
## PROGRAM OF STUDY

<table>
<thead>
<tr>
<th>TERM</th>
<th>TERM OF STUDY</th>
<th>Certificates/Degrees/Occupations</th>
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<tbody>
<tr>
<td>FIRST</td>
<td>FIRST TERM</td>
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</tr>
<tr>
<td></td>
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<td>Associate of Applied Science</td>
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<td>Medical Laboratory Technology CIPS #511004</td>
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<tr>
<td>SECOND</td>
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**PCC**

### SECOND TERM
- **HE 112**
  - First Aid and Professional CPR
- **MA 180**
  - Coding and Reimbursement Seminar II
- **MA 122**
  - Medical Office Assistant Seminar II
- **MA 124**
  - Medical Office Procedures Lab
- **MP 140**
  - Intro to Health Law and Ethics

**THIRD TERM**
- **MA 131**
  - Introduction to Medical Science
- **MA 132**
  - Medical Office Assistant Seminar III
- **MA 136**
  - Legal and Ethical Aspects of Health Care
- **MA 121**
  - Medications
- **MA 270**
  - Clinical Practicum

**THIRD TERM**
- **CH 104**
  - Allied Health Chemistry
- **MP111**
  - Medical Technology I
- **WR 121**
  - English Composition

**SECOND TERM**
- **BI 121**
  - Intro to Human Anatomy and Physiology I
- **CH 105**
  - Allied Health Chemistry II
- **MLT 112**
  - Medical Technology II
- **MLT 113**
  - Intro to Medical Microbiology
- **General Education**

**NOTE:** Only those students who compete year one requirements and are officially accepted into the 2nd year of the MLT program take the following coursework

**FOURTH TERM**
- **MLT 221**
  - Clinical Chemistry
- **MLT 250**
  - Hematology
- **MLT 261**
  - Bacteriology
- **MLT 241**
  - Immunohematology I
- **MLT 271**
  - Clinical Laboratory Practice I

**FIFTH TERM**
- **MLT 222**
  - Clinical Chemistry II
- **MLT 262**
  - Bacteriology II
- **MLT 242**
  - Immunohematology II
- **MLT 272**
  - Clinical Laboratory Practice II

**SIXTH TERM**
- **MLT 223**
  - Clinical Chemistry III
- **MLT 263**
  - Medical Parasitology
- **MLT 264**
  - Medical Mycology
- **MLT 230**
  - Body Fluids
- **MLT 273**
  - Clinical Laboratory Practice III

 assisting work directly with patients, whether in small or large healthcare settings, to ensure they receive the care they need while providing health professionals with vital patient information. As an essential part of the healthcare team, a medical assistant is responsible for obtaining general health data and performing a variety of back and front office duties.
<table>
<thead>
<tr>
<th>UNI</th>
<th>SEVENTH TERM</th>
<th>MLT 261 Clinical Seminar</th>
<th>MLT 274 Clinical Laboratory Practice IV</th>
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<tbody>
<tr>
<td>University of Portland (U of P)</td>
<td>Oregon Health &amp; Science University (OHSU)</td>
<td>Pacific University</td>
<td>Oregon State University</td>
<td>Portland State University (PSU)</td>
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</tbody>
</table>
1-year Certificate
Medical Assistant CIPS #510801

Assistants work directly with patients, whether in small or large healthcare settings, to ensure that patients receive the care they need while providing health professionals with vital patient information. As an essential part of the healthcare team, a medical assistant is responsible for obtaining general health data and performing a variety of back and front office duties.
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Certificates/Degrees/Occupations

Associate of Applied Science

Medical Laboratory Technology CIPS #511004

Medical laboratory technology is one of the most rapidly expanding health care fields. As a medical laboratory technician, you will play an increasingly important role in health care delivery. The MLT Program provides extensive training, including a clinical internship with supervised work experience. This qualifies graduates to run clinical tests required by physicians to make life-affecting decisions in patient care.
Medical laboratory technology is one of the most rapidly expanding health care fields. As a medical laboratory technician, you will play an increasingly important role in health care delivery. The MLT Program provides extensive training, including a clinical internship with supervised work experience. This qualifies graduates to run clinical tests required by physicians to make life-affecting decisions in patient care.