



Idaho State University

Bachelor of Science (BS) in Medical Laboratory Science with AS in Biology - CWI Pathway

| Fall - Semester One (CWI) | | |
|---------------------------|------------|----------------------|
| Cred | CWI | ISU equivalent |
| 3 | MATH 153 | MATH 1153 Stats |
| 4 | BIOL 111/L | BIOL 1101/L |
| 3 | ENGL 101 | ENGL 1101 |
| 3 | CWI 101 | Needed for AS degree |
| 13 | | |

| Fall - Semester Three (CWI) | | |
|-----------------------------|------------|---------------------------|
| Cred | CWI | ISU equivalent |
| 4 | CHEM 111/L | CHEM 1111/L Gen Chem I |
| 4 | BIOL 227/L | BIOL 2227/L Anat & Phys I |
| 3 | COMM 101 | COMM 1101 |
| 3 | PSYC 101 | PSYC 1101 |
| 14 | | |

| Fall - Semester Five (CWI) | | |
|----------------------------|------------|----------------------|
| Cred | CWI | ISU equivalent |
| 5 | CHEM 298/L | CHEM 3301/L O-Chem I |
| 4 | MMBS 260/L | BIOL 2206 Cell Bio |
| 3 | MMBS 106 | ISU GenEd Obj 7/8 |
| 3 | GEM 5 | GenEd Obj 4 |
| 15 | | |

| Summer Term Prior to Med Lab Science | |
|--------------------------------------|---|
| Cred | Course |
| 3 | MLS 4499 Immunology (<i>for MLS majors</i>) |

| Fall - Start MLS (ISU) | |
|------------------------|--|
| Cred | Course |
| 1 | MLS 4410 Phlebotomy Practicum |
| 1 | MLS 4412 Urinalysis and Body Fluids |
| 3 | MLS 4414 Hematology and Hemotasis |
| 3 | MLS 4416 Medical Microbio |
| 3 | MLS 4418 Medical Chem and Instruments |
| 2 | MLS 4420 Medical Immunology |
| 2 | MLS 4422 Basic Concepts in Transfusion |
| 1 | MLS 4424 Medical Lab Fundamentals |
| 16 | |
| Summer (ISU) | |
| Cred | Course |
| 6 | General Site Practicum |

| Spring - Semester Two (CWI) | | |
|-----------------------------|------------|-----------------------|
| Cred | CWI | ISU equivalent |
| 3 | MATH 143 | MATH 1143 College Alg |
| 4 | BIOL 112/L | BIOL 1102/L |
| 4 | CHEM 101/L | CHEM 1101 |
| 3 | ENGL 102 | ENGL 1102 |
| 14 | | |

| Spring - Semester Four (CWI) | | |
|------------------------------|------------------------|----------------------------|
| Cred | CWI | ISU equivalent |
| 5 | CHEM 112/L | CHEM 1112/L Gen Chem II |
| 4 | BIOL 228/L | BIOL 2228/L Anat & Phys II |
| 3 | HLTH 280 Global Health | Gen Ed Obj 9 |
| 4 | MMBS 111/L | BIOL 2233/L Microbio |
| 16 | | |

| Spring - Semester Six (CWI) | | |
|-----------------------------|---|--------------------|
| Cred | CWI | ISU equivalent |
| 4 | MMBS 280/L | BIOL 3358 Genetics |
| 4 | BIOL 280 Pathophys | BIOL 2229 Pathobio |
| 3 | SCIE 102 | GenEd Obj 6 |
| 3 | GEM 5 | GenEd Obj 4 |
| 14 | Apply to ISU and MLS program by Feb 28 | |

Advising Note: The CWI courses outlined above would qualify for the Human Biology Emphasis and/or Cellular, Molecular, and Biomedical Sciences Emphasis

| Spring (ISU) | |
|--------------|--|
| Cred | Course |
| 3 | MLS 4431 Medical Microbio II |
| 2 | MLS 4433 MLS Management and Educ |
| 3 | MLS 4435 Molecular Diagnostics |
| 3 | MLS 4437 Critical Analysis of Lab Info |
| 2 | MLS 4439 Adv Concepts in Transfusion |
| 1 | MLS 4441 MLS Research |
| 2 | MLS 4455 MLS Student Lab Practices |
| 16 | |

Medical Laboratory Science students may participate in the ISU Commencement ceremony in May. MLS students complete the summer practicum and degrees are awarded in August.