

Bachelor of Science (BS) in Medical Laboratory Science with AS in Biology - CWI PRE-MED 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
3	PSYC 101	PSYC 1101
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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
4	PHYS 111/L	PHYS 1111/L
3	COMM 101	COMM 1101
3	*GEM 5	GenEd Obj 4
18	*Can be taken in the Summer	

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	BIOL 4432 Biochemistry	
3	MLS 4499 Immunology (for MLS majors)	

Take MCAT and Apply to Schools before Aug 2

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	
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Summer (ISU)		
Cred	Course	
6	General Site Practicum	

Spring - Semester Two (CWI)		
Cred	CWI	ISU equivalent
5	MATH 147	MATH 1147 Precalc
4	BIOL 112/L	BIOL 1102/L
4	CHEM 101/L	CHEM 1101
3	ENGL 102	ENGL 1102
3	*HLTH 280 Global Health	Gen Ed Obj 9
19	*Can be taken in the summer	

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
4	PHYS 112/L	PHYS 1112/L
4	MMBS 111/L	BIOL 2233/L Microbio
17		

Spring - Semester Six (CWI)		
Cred	CWI	ISU equivalent
4	CHEM 299/L	CHEM 3302/L O-Chem II
4	MMBS 280/L	BIOL 3358 Genetics
4	BIOL 280 Pathophys	BIOL 2229 Pathobio
3	SOC 101	SOC 1101
15	Apply to ISU and MLS program by Feb 28	

Advising Notes: The CWI courses outlined above would qualify for the Human Biology Emphasis and/or Cellular, Molecular, and Biomedical Sciences Emphasis. SOC 101 is helpful for the MCAT. Check w/CWI Advisor to see if SOC 101 can replace SCIE 102 for GEM 6.

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	
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