

**Clinical Laboratory Science**  
**Arkansas State University**  
**Degree: Bachelor of Science in Clinical Laboratory Science**  
**Major: Clinical Laboratory Science**  
**2012-2013**

**This program exceeds 8 semesters.**

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters. A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
ENG 1003	Composition I	3	X	ENG 1013	Composition II	3	X
CHEM 1011	General Chemistry I Lab	3	X	CHEM 1021	General Chemistry II Lab	1	
CHEM 1013	General Chemistry I	1	X	CHEM 1023	General Chemistry II	3	
MATH 1023	College Algebra	3	X	BIO 2223	Human A&P II	3	
BIO 2203	Human A&P I	3		BIO 2221	Human A&P II Lab	1	
BIO 2201	Human A&P I Lab	1					
CLS 1003	FYE Seminar	3			Social Science Course from approved list	3	X
<b>Total Hours</b>		<b>17</b>		<b>Total Hours</b>		<b>14</b>	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CHEM 3101	Organic Chem I Lab	1		CLS 1511	Prin of CLS Lab	1	
CHEM 3103	Organic Chemistry I	3		CLS 1512	Prin of CLS	2	
					Social Science Course from approved list	3	X
ENG 2003 or 2013 or PHIL 1103	Intro to Lit - Western World I or WW II or Intro to Philosophy	3	X	CLS 3153	Clinical Biochemistry	3	
ART, MUS or THEA 2503	Fine Arts Visual, Musical or Theatre	3		HIST 2763 OR 2773 or POSC 2103	US to 1876 or since 1876 OR Intro to US Government	3	X
BIOL 2101	Lab for Microbiology	1			Fine Arts/Humanities	3	X
BIOL 2103	Microbiology	3					
<b>Total Hours</b>		<b>14</b>		<b>Total Hours</b>		<b>15</b>	

Summer I				Summer II			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
				CLS 3511	Medical Parasitology Lab	1	
				CLS 3512	Medical Parasitology	2	
<b>Total Hours</b>				<b>Total Hours</b>		<b>3</b>	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CLS 2521	Hematology I Lab	1		CLS 2541	Clinical Chem. I Lab	1	
CLS 2523	Hematology I	3		CLS 2543	Clinical Chemistry I	3	
CLS 2531	Clinical Microbiology I Lab	1		CLS 1521	Body Fluids Lab	1	
CLS 2533	Clinical Microbiology I	3		CLS 1531	Body Fluids	1	
CLS 2561	Immunohematology I Lab	1		CLS 2571	Clinical Immuno/Serology Lab	1	
CLS 2563	Immunohematology	3		CLS 2573	Clinical Immuno/Serology	3	
CLS 3343	Principles of Disease for CLS	3		CLS 4174	Clinical Practicum I	4	
<b>Total Hours</b>		<b>15</b>		<b>Total Hours</b>		<b>14</b>	
Summer I				Summer II			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CLS 4184	Clinical Practicum II	4		CLS 4194	Clinical Practicum III	4	
<b>Total Hours</b>		<b>4</b>		<b>Total Hours</b>		<b>4</b>	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CLS 3221	Hematology II Lab	1					
CLS 3223	Hematology II	3		CLS 4331	Immunohematology II Lab	1	
CLS 3522	Clin. Lab. Management	2		CLS 4333	Immunohematology II	3	
CLS 4111	Clin. Chem II Lab	1		CLS 4441	Med. Micro II Lab	1	
CLS 4113	Clinical Chemistry II	3		CLS 4443	Medical Microbiology II	3	
CLS 4204	Clinical Practicum IV	4		CLS 4013	Molecular Diagnostics	3	
CLS 4211	Clinical Lab Education	1		CLS 3122	Research Concepts for CLS	2	
<b>Total Hours</b>		<b>15</b>		<b>Total Hours</b>		<b>14</b>	
<b>Total Jr/Sr Hours</b>		<b>56</b>		<b>Total Degree Hours</b>		<b>138</b>	