Washburn University Clinical Laboratory Science Program
Course Prerequisites for Undergraduates

	Course #	Course Name	Prerequisite	Cr Hrs
Math and Science 36 hrs	BI102	Cell biology	None	5
	BI 255	Physiology	BI 102	4
	BI 301	General Microbiology	BI 102 & CH 151	4
	BI 333	General Genetics	BI 102 & CH 151	4
		OR		
	BI 354	Molecular Biology Lab	BI 301 or 333 or 353	3
	BI 362	Immunology	BI 301 & 333 or consent	3
	CH 151	Fundamentals of Chemistry	MA 116 or concurrent	5
	CH 152	Fundamentals of Chemistry	CH 151	5
	CH 340	Organic Chemistry I	CH 152	3
	Choose 1additional chemistry class from the following list			
	CH 320	Analytical Chemistry	CH 152	3
	CH 341	Organic Chemistry II	CH 340	3
	CH 350	Biochemistry I	CH 340	3
University Requirements 11hrs	EN 101	Freshman Composition		3
	EN 300	Advanced Composition	EN 101	3
	KN 198	Lifetime Wellness		2
	MA 116	College Algebra (or higher)		3
General Education Requirements 18 hrs.	Social Sciences	1		
		2		
		3		9
	Arts & Human.	1		3
		2	(AR, MU, TH)	3
		3		3
Recommended courses	MA 140	Statistics	MA 110, 116 or 123	3
	CN 150	Public speaking		3
	BI 305	Parasitology	BI 110	4
	BI 325	Microbiology of Human Disease	BI 301	5
	BI 353	Molecular Genetics	BI 301 or BI 333	3
	BI 354	Molecular Biology Lab		3
	AL 101	Introduction to Health Care		3
	AL 141	Medical Terminology		3
	AL 320	Introduction to Human Disease	BI 250 or 255 or 275 or concurrent	3
Required prerequisite hours				**65**
Additional courses to = 77hrs				**12**
CLS program hours				**43**