



TRANSFER PATHWAY: LEE C BIOLOGY TO CYTOGENE

Year One - L					
Fall Semester					
LC Course	Course Name	Hrs			Hrs
ENGL 1301	English Composition I	3	BIOL 1407	Biology for Science Majors II	4
BIOL 1406	Biology for Science Majors I	4	CHEM 1412	General Chemistry II with Lab	4
CHEM 1411	General Chemistry I with Lab	4	ENGL 1302	Composition-Rhetoric	3
HIST 1301	US History to 1877	3	MATH 1314 or higher	College Algebra or higher	3
					3
Total		14	17		
Year Two - Lee College					
Fall Semester			Spring Semester		
LC Course	Course Name	Hrs	LC Course	Course Name	Hrs
GOVT 2305	US Government	3	GOVT 2306	Texas Government	3
CHEM 2423	Organic Chemistry I with Lab	4	CHEM 2425	Organic Chemistry II	4
Core	Social/Behavioral Science	3	Core	Creative Arts	3
Core	Language, Philosophy, and Culture Core	3	Elective		3
Elective		3			
Total		16	13		
Additional requirements					
In addition to completion of the degree plan, Lee College students must:					
1. Satisfactorily complete all other admission requirements within the set time lines and before any set deadlines, including completing an admissions application; paying the application fee; submitting transcripts, recommendation forms, and an essay; and completing an admission interview; and					
2. Have maintained no less than a cumulative 2.50 GPA and a 2.50 science and mathematics GPA in the courses taken at Lee College and be eligible for graduation at Lee College.					
a. The cumulative GPA is calculated using all college-level courses whether passed, failed or repeated. Remedial-level courses will not be calculated in the cumulative GPA.					
b. The science and mathematics GPA is calculated using college-level mathematics and science courses only. Remedial-level courses will not be calculated in the science and mathematics GPA. If a course is repeated, the higher grade is used for the science and mathematics prerequisites requirements.					
Year Three- MD Anderson					
Fall Semester			Spring Semester		
MDA Course	Course Name	Hrs	MDA Course	Course Name	Hrs
HS 3121	Introduction to Hematology	1	CC 4120	Introduction to G-Band Karyotyping	1
HS 3122	Basic G-Band Karyotyping	1	CC 4152	Prenatal Cytogenetics	1
HS 3210	Laboratory Mathematics	2	CC 4250	Clinical Cytogenetics	2
HS 3270	Fundamentals of Writing and Critical Thinking	2	CC 4280	Independent Research Project I	2
HS 3330	Pathology of Body Fluids	3	CC 4530	Basic Laboratory Techniques	5
HS 4100	Health Care Ethics	1	GT 4300	Advanced Medical Genetics	3
HS 4300	Pathophysiology for Health Professions	3	HS 4160	Critical Scientific Analysis	1
HS 4310	Medical Microbiology	3			
Total		16	Total		15



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Year Four - MD					
Fall Semester					
MDA Course	Course Name	Hrs			Hrs
HS 3120	Introduction to Cytogenetics	1	CC 4181	Independent Research Project II	1
HS 3300	Medical Immunology	3	CC 4240	Advanced Cytogenetic Lab Techniques	2
HS 3320	Medical Genetics	3	CC 4251L	Clinical Cytogenetics	2
HS 3333	Statistics	3	CC 4320	Special Topics in Genetics	3
HS 3340	Research Methods	3	CC 4390	Advanced Topics in Cytogenetics	3
HS 4101	Diversity & Cultural Competence	1	GT 4330	Genetics of Hematology Malignancies	3
			HS 4110	Molecular Genetics Technology	1
			HS 4161	Seminar in Healthcare	1
Total		14	Total		16
Summer- MD Anderson					
Summer I			Summer II		
MDA Course	Course Name	Hrs	MDA Course	Course Name	Hrs
CC 4210	Molec & Biochem Basis of Genetic Disease	2	CC 4531	Clinical Cytogenetic Rotation II	3
CC 4521	Clinical Cytogenetic Rotation I	5	HS 4371	Management and Education	5
Total		7	Total		8