

MSGC Program Curriculum

69 credits are required to earn a Master of Science degree in Human Genetics and Genetic Counseling at KGI. These credits consist of 34 from didactic courses, 26 from clinical fieldwork, and 9 from research/capstone project. Students are expected to finish the program in 21 months (five semesters) on a full-time basis.

Fall Year 1 – 17.5 Credits

Course Number	Course Name	Credit(s)
GENE 5000	Genetic Counseling I	3.0
GENE 5020	Human Embryology and Prenatal Diagnosis	3.0
GENE 5030	Research Methodology I	1.5
GENE 5040	Principles of Public Health	1.5
GENE 5090	MSGC Case Conference/Journal Club	0.0
GENE 5200	Human Molecular Genetics	3.0
GENE 5240	Genetic Disease Mechanisms	1.5
GENE 5800	Genetic Counseling Fieldwork Observation	1.0
MATH 5020	Clinical Biostatistics	3.0

Spring Year 1 – 17.5 Credits

Course Number	Course Name	Credit(s)
GENE 5050	Genetic Counseling II	3.0
GENE 5091	MSGC Case Conference/Journal Club	0.0
GENE 5250	Human Genomics	3.0
GENE 5260	Clinical Cancer Genomics	3.0
GENE 5270	Medical Genetics	3.0
GENE 5280	Biochemical Genetics	1.5
GENE 5801	Genetic Counseling Fieldwork Observation	1.0

Summer – 8.0 Credits

Course Number	Course Name	Credit(s)
GENE 6801	Genetic Counseling Fieldwork I	8.0

Fall Year 2 – 13.0 Credits

Course Number	Course Name	Credit(s)
GENE 6000	Psychosocial Development I	1.0
GENE 6010	Professional Development I	1.0
GENE 6090	MSGC Case Conference/Journal Club	0.0
GENE 6500	Independent Study	0.0
GENE 6802	Genetic Counseling Fieldwork II	4.0
GENE 6803	Genetic Counseling Fieldwork III	4.0
GENE 6950	MSGC Capstone Project I	3.0

Spring Year 2 – 13.0 Credits

Course Number	Course Name	Credit(s)
GENE 6050	Psychosocial Development II	1.0
GENE 6060	Professional Development II	1.0
GENE 6091	MSGC Case Conference/Journal Club	0.0
GENE 6500	Independent Study	0.0
GENE 6804	Genetic Counseling Fieldwork IV	4.0
GENE 6805	Genetic Counseling Fieldwork V	4.0
GENE 6951	MSGC Capstone Project II	3.0