KGI SCHOOL OF PHARMACY AND HEALTH SCIENCES

Class of 2024 Graduation Requirements

Master of Science degree in Human Genetics and Genetic Counseling (MSGC)

Students in the Master of Science degree in Human Genetics and Genetic Counseling program are required to complete a total of 70.5 units over the course of 21 months (five semesters) of study. This includes:

- 35.5 units of didactic courses
- 26 units of clinical fieldwork
- 9 units of research/capstone preparation

Core Courses: All students must complete the core courses in order to complete the MSGC program.

Program Requirements

1st Year Fall Core Courses	Units
MATH 5020 Clinical Biostatistics	3.0
GENE 5000 Genetic Counseling I	3.0
GENE 5200 Human Molecular Genetics	3.0
GENE 5020 Human Embryology and Prenatal Diagnosis	3.0
GENE 5030 Research Methodology I	1.5
GENE 5240 Genetic Disease Mechanisms	1.5
GENE 5040 Principles of Public Health	1.5
GENE 5090 Case Conference & Journal Club	0.0
GENE 5800 Genetic Counseling Fieldwork Observation	1.0
Subtotal	**17.5**

1st Year Spring Core Courses	Units
SCI 6110 Advanced Pharmacogenomics & Precision Medicine	1.5
SCI 6300 Advanced Pharmaceutical Discovery	1.5
GENE 5050 Genetic Counseling II	3.0
GENE 5250 Human Genomics	3.0
GENE 5260 Clinical Cancer Genomics	3.0
GENE 5060 Research Methodology II	1.5
GENE 5270 Medical Genetics	3.0
GENE 5280 Biochemical Genetics	1.5
GENE 5091 Case Conference & Journal Club	0.0
GENE 5801 Genetic Counseling Fieldwork Observation	1.0
Subtotal	**19.0**

Summer Core Courses	Units
GENE 6801 Genetic Counseling Fieldwork I	8.0
Subtotal	**8.0**

2nd Year Fall Core Courses	Units
GENE 6000 Professional Development I	1.0
GENE 6010 Professional Development I	1.0
GENE 6950 Capstone Project I	3.0
GENE 6802, 6803 Genetic Counseling Fieldwork II, III	8.0
GENE 6090 Case Conference & Journal Club	0.0
GENE 6094 ABGC Board Review	0.0
Subtotal	**13.0**

2nd Year Spring Core Courses	Units
GENE 6050 Psychosocial Development II	1.0
GENE 6060 Professional Development II	1.0
GENE 6951 Capstone Project II	3.0
GENE 6804, 6805 Genetic Counseling Fieldwork IV, V	8.0
GENE 6091 Case Conference & Journal Club	0.0
GENE 6095 ABGC Board Review	0.0
Subtotal	**13.0**