

## 2025-26 Academic Catalog/Class of 2027 Graduation Requirements

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

Students in the Master of Science in Human Genetics and Genetic Counseling program are required to complete a total of 70 credit hours over the course of 21 months (five semesters) of study. This includes:

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

### Program Requirements

1st Year Fall Courses	Credit Hours	1st Year Spring Courses	Credit Hours
<b>MATH 5020</b> Clinical Biostatistics	3.0	<b>GENE 5050</b> Genetic Counseling II	3.0
<b>GENE 5000</b> Genetic Counseling I	3.0	<b>GENE 5060</b> Research Methodology II	1.5
<b>GENE 5020</b> Human Embryology and Prenatal Diagnosis	3.0	<b>GENE 5091</b> Case Conference & Journal Club	0.0
<b>GENE 5030</b> Research Methodology I	1.5	<b>GENE 5055</b> Ethics of Genomic Medicine	1.0
<b>GENE 5040</b> Principles of Public Health	1.5	<b>GENE 5250</b> Human Genomics	3.0
<b>GENE 5090</b> Case Conference & Journal Club	0.0	<b>GENE 5260</b> Clinical Cancer Genomics	3.0
<b>GENE 5200</b> Human Molecular Genetics	3.0	<b>GENE 5270</b> Medical Genetics	3.0
<b>GENE 5240</b> Genetic Disease Mechanisms	1.5	<b>GENE 5280</b> Biochemical Genetics	1.5
<b>GENE 5800</b> Genetic Counseling Fieldwork Observation	1.0	<b>GENE 5290</b> Pharmacogenomics	1.5
		<b>GENE 5801</b> Genetic Counseling Fieldwork Observation	1.0
<b>Subtotal</b>	<b>17.5</b>		<b>18.5</b>

Summer Courses	Credit Hours
<b>GENE 6801</b> Genetic Counseling Fieldwork I	8.0
<b>Subtotal</b>	<b>8.0</b>

2nd Year Fall Courses	Credit Hours
<b>GENE 6000</b> Psychosocial Development I	1.0
<b>GENE 6010</b> Professional Development I	1.0
<b>GENE 6090</b> Case Conference & Journal Club	0.0
<b>GENE 6094</b> ABGC Board Review	0.0
<b>GENE 6802</b> Genetic Counseling Fieldwork II	4.0
<b>GENE 6803</b> Genetic Counseling Fieldwork III	4.0
<b>GENE 6950</b> Capstone Project I	3.0
<b>Subtotal</b>	<b>13.0</b>

2nd Year Spring Courses	Credit Hours
<b>GENE 6050</b> Psychosocial Development II	1.0
<b>GENE 6060</b> Professional Development II	1.0
<b>GENE 6091</b> Case Conference & Journal Club	0.0
<b>GENE 6095</b> ABGC Board Review	0.0
<b>GENE 6804</b> Genetic Counseling Fieldwork IV	4.0
<b>GENE 6805</b> Genetic Counseling Fieldwork V	4.0
<b>GENE 6951</b> Capstone Project II	3.0
<b>Subtotal</b>	<b>13.0</b>