

Department of Human Genetics

MS Genetic Counseling Program

*Timeline and Checklist*

Updated August 21, 2019

Year 1 fall semester

Coursework

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|[ ]  BIOST 2041  | Introduction to Statistical Methods 1 | 3 credits |
|[ ]  HUGEN 2010  | Bioinformatic Resources for Geneticists | 1 credit |
|[ ]  HUGEN 2022 | Human Population Genetics | 2 credits |
|[ ]  HUGEN 2025 | Human Genetics Seminar | 0 credits |
|[ ]  HUGEN 2035 | Principles of Genetic Counseling | 3 credits |
|[ ]  HUGEN 2040 | Molecular Basis of Human Inherited Disease | 3 credits |
|[ ]  HUGEN 2047 | Clinical Genetics Case Conference | 0 credits |
|[ ]  EPIDEM 2110 | Principles of Epidemiology | 3 credits |
|[ ]  PUBHLT 2022 | The Dean's Public Health Grand Rounds | 0 credits |

Research and professional development

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|[ ]  Attend Human Genetics Department Retreat at Pymatuning. *Not a program requirement, but highly encouraged* |
|[ ]  Complete all clearances, vaccinations, and other requirements for clinical rotation sites |
|[ ]  Begin thinking about your optional rotation site. If you would like to go off-site for this rotation, begin working with program leadership to set up the rotation. |
|[ ]  Begin observational rotations |
|[ ]  Schedule and attend individual quarterly meeting with Robin & Andrea |
|[ ]  Attend Genetic Counseling Leadership Seminar |
|[ ]  Begin to develop ideas for your thesis project by speaking with program leadership, research mentors, faculty, and previous students |
|[ ]  Begin/continue working on the online embryology modules |
|[ ]  Complete the following CITI research training modules available at www.citi.pitt.edu/citi/ |
|  |[ ]  Conflicts of Interest |
|  |[ ]  Responsible Conduct of Research |
|  |[ ]  Human Subjects Research |
|  |[ ]  Animal Research (if applicable) |

Year 1 spring semester

Coursework

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|[ ]  HUGEN 2025 | Human Genetics Seminar | 0 credits |
|[ ]  HUGEN 2031 | Chromosomes and Human Disease | 3 credits |
|[ ]  HUGEN 2032 | Genetic Techniques | 2 credits |
|[ ]  HUGEN 2034 | Biochemical Genetics of Complex Disease | 3 credits |
|[ ]  HUGEN 2038 | Intervention Skills for Genetic Counselors | 3 credits |
|[ ]  HUGEN 2039 | Risk Calculation for Genetic Counseling | 1 credit |
|[ ]  HUGEN 2047 | Clinical Genetics Case Conference | 0 credits |
|[ ]  HUGEN 2052 | Ethical Issues in Clinical and Public Health Genetics | 0 credits |
|[ ]  PUBHLT 2022 | The Dean's Public Health Grand Rounds | 0 credits |
| [ ]  | PUBHLT 2011 | Essentials of Public Health | 3 credits |

Research and professional development

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|[ ]  Decide on your optional rotation site  |
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|  |  |
|[ ]  Complete observational rotations |
|  |[ ]  Prenatal |
|  |[ ]  Pediatric |
|  |[ ]  Cancer |
|  |[ ]  Cystic Fibrosis Clinic |
|  |[ ]  Muscular Dystrophy Clinic |
|[ ]  Finalize your thesis project plan |
|[ ]  Complete Embryology modules |
|[ ]  Schedule and attend individual quarterly meeting with Robin & Andrea. |

Year 1 summer semester

Research and professional development

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|[ ]  Research and Professional Development Summer Series |
|[ ]  Write resume and cover letter template, and submit to Robin & Andrea for review |
|[ ]  Begin clinical rotations  |
|[ ]  Finalize MS Thesis Committee |
|[ ]  Complete the MS Thesis Project Summary Form  |
|[ ]  Begin writing the literature review chapter of the thesis document |
|[ ]  Obtain IRB approval (or IRB indication that IRB approval not needed) for thesis project |
|[ ]  Hold a meeting with all MS Thesis Committee Members |
|[ ]  Schedule and attend individual quarterly meeting with Robin & Andrea |

Year 2 fall semester

Coursework

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|[ ]  HUGEN 2036 | Genetic Counseling Internship | 4 credits |
|[ ]  HUGEN 2047  | Clinical Genetics Case Conference | 0-1 credit |

Research and professional development

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|[ ]  Clinical Rotations |
|[ ]  Comprehensive Exam |
|[ ]  Attend NSGC AEC |
|[ ]  Complete the Literature Review chapter and begin Manuscript chapter of the thesis document |
|[ ]  Begin applying to and interviewing for jobs |
|[ ]  Schedule and attend individual quarterly meeting with Robin & Andrea |

Year 2 spring semester

Coursework

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| --- | --- | --- |
|[ ]  HUGEN 2036 | Genetic Counseling Internship | 4 credits |
|[ ]  HUGEN 2047  | Clinical Genetics Case Conference | 0-1 credit |
|[ ]  HUGEN 2052 | Ethical Issues in Clinical and Public Health Genetics | 0-1 credit |

Research and professional development

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|[ ]  Clinical Rotations |
|[ ]  Oral Exam |
|[ ]  Continue job interviews |
|[ ]  Schedule and attend individual quarterly meeting with Robin & Andrea |
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|[ ]  Discuss participation in Dean’s Day Student Research Symposium with research mentor |
|  |[ ]  Construct poster and have it approved by thesis committee |
|  |[ ]  Print poster (resources may be available to cover printing costs) |
|[ ]  Submit the first draft of the thesis document to the MS Thesis Committee Chair at least one month prior to the thesis defense date |
|[ ]  Submit the final draft of the thesis document to all MS Thesis Committee members at least one week (but preferably two weeks) prior to the thesis defense date  |
|[ ]  Thesis Defense  |
|[ ]  Upload electronic thesis document |
|[ ]  Participate in focus group activity |
|[ ]  Schedule and attend individual exit interview with Robin & Andrea |