

Department of Human Genetics

MS Genetic Counseling Program

*Timeline and Checklist*

Updated August 21, 2019

Year 1 fall semester

Coursework

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | |
|  |  | |
|  |  | |
|  | 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 | |
|  |  | |
|  | 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 | |