# GENETIC COUNSELING (GENET_CN)

**GENET_CN 401-0 Introduction to Genetic Counseling (1 Unit)**
History of genetic counseling and clinical genetics, genetic counseling skills and process, eliciting patient histories, prenatal diagnosis counseling, introduction to diagnostic obstetric ultrasound, teratology, and high-risk obstetrics.

**GENET_CN 403-0 Professional Issues in Genetic Counseling (1 Unit)**
This course will examine legal, ethical, ethnocultural and other timely professional issues.

**GENET_CN 411-0 Psychosocial Aspects of Genetic Counseling I (1 Unit)**
An introductory course to human psychological development and counseling/interviewing skills as applied to genetic counseling.

**GENET_CN 412-0 Psychosocial Aspects of Genetic Counseling II (1 Unit)**
Builds on more theoretical coursework from earlier classes and examines normal and abnormal processes of pregnancy, prenatal diagnosis, birth of a child, and genetic disease for adolescents/adults.

**GENET_CN 413-0 Advanced Genetic Counseling (1 Unit)**
Second-year seminar focusing on advanced counseling principles and skills.

**GENET_CN 420-1 Principles of Medical Genetics I (1 Unit)**
Basic and complex principles of human heredity, including an introduction to cytogenetics, molecular technique and mathematical genetics.

**GENET_CN 420-2 Principles of Medical Genetics II (1 Unit)**
Approaches to clinical genetics, dysmorphology, and a variety of genetic diseases; application of medical and genetic information to genetic counseling of families.

**GENET_CN 420-3 Principles of Medical Genetics III (1 Unit)**
Biochemical genetics, immunology, pharmacogenetics, common adult genetic conditions and treatment of genetic disease.

**GENET_CN 421-0 Research Methods (1 Unit)**
Planning research projects, questionnaire development, research design, and approaches to clinical research.

**GENET_CN 422-0 Genetics Journal Club (0 Unit)**
Regular meetings to review current genetics journals and present articles of interest relevant to clinical genetics.

**GENET_CN 423-0 Genetic Counseling Laboratory Techniques and Interpretation (1 Unit)**
The application of principles of human and medical genetics and genomics, testing technologies, and genetic counseling, in laboratories.

**GENET_CN 425-0 Clinical Rotations (1 Unit)**
Rotations through the Genetic Counseling Clinic at local hospitals during the winter and spring quarters of the first year and the fall quarter of the second year.

**GENET_CN 520-0 Observational Rotation (0 Unit)**
Genetic Counseling fieldwork rotation in which student observes but does not actively participate in sessions.

**GENET_CN 530-0 Summer Clinical Rotation (3 Units)**
Two six-week, full-time summer rotations at clinical genetics centers in the Chicago metropolitan area.