

# GENETIC COUNSELING (GENET\_CN)

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## GENET\_CN 530-0 Summer Clinical Rotation (3 Units)

Two six-week, full-time summer fieldwork rotations.

### GENET\_CN 401-0 Introduction to Genetic Counseling (1 Unit)

Introduction to the practice of genetic counseling and the genetic counseling profession.

### GENET\_CN 403-0 Professional Issues in Genetic Counseling (1 Unit)

Ethical, legal and social issues in the genetic counseling field, and professional development of entry level genetic counselors.

### 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)

Advanced topics in counseling skills and theory as applied to genetic counseling.

### 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, embryology, and a variety of genetic diseases; application of medical and genetic information to genetic counseling.

### GENET\_CN 420-3 Principles of Medical Genetics III (1 Unit)

Biochemical genetics, immunology, 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 Adult Genetics (1 Unit)

This class will consider the various adult onset complex disorders, ways to obtain and interpret family history for complex adult conditions, specific genetic risk assessment approaches, and ways to communicate risk to families.

### GENET\_CN 499-0 Research Project (1 Unit)

Development and presentation of a research project or case report in consultation with an advisory committee. Students will present a seminar on the project and prepare a paper that is expected to be submitted for publication and for presentation at a professional meeting.

### 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 525-0 Clinical Rotations (1 Unit)

Genetic counseling fieldwork rotations during the fall, winter and spring quarters.