

| CURRICULUM |

Core Courses 16 units		
Genetics 201	Principles of Human Genetics	3
GC 201	Principles of Genetic Counseling	3
Biostat 201	Fundamentals of Biostatistics	3
Epi 201	Principles of Epidemiology	3
Biostat 206	Research Methods I	2
HPEd 261	Organization and Management of Health Programs	2

Major Courses 13 units		
GC 202	Psychosocial Aspects of Genetic Counseling	3
Genetics 202	Public Health Genetics	3
GC 203	Applied Genetic Counseling	3
GC 207	Seminars in Genetics and Genetic	1
GC 204	Professional Issues in Genetic	3

Electives Courses 2 units		
GC 205	Genetic Counseling in Hospital Setting	2
GC 206	Genetic Counseling in Community Setting	2
CE 297	Seminars in Health Social Science	2
MI 238	Applications of Internet Technologies in Health care	2

Master's Thesis (6 units)

Total 37 units

COURSES DESCRIPTION

Genetics 201 Principles of Human Genetics

Introduction to the organization of the human genome and principles of inheritance in humans

Genetics 202 Public Health Genetics

Overview of genetics and public health, historical perspectives, its integration into the public health practice, current challenges and opportunities

Genetic Counseling 201 Principles of Genetic Counseling

Fundamental theories and principles of effective patient/ client interviewing in genetic counseling practice

Genetic Counseling 202

Psychosocial Aspects of Genetic Counseling

Psychosocial and counseling theories, approaches, and resources necessary for the provision of genetic counseling

Genetic Counseling 203 Applied Genetic Counseling

Hands-on training in various genetics clinic (i.e., general, metabolic, newborn screening, prenatal, cancer) serving a variety of referral indications and attendance to regional genetics clinic and newborn screening centers

Genetic Counseling 204

Professional Issues in Genetic Counseling

Professional standards, ethics, legal principles, health systems and policy issues relevant to genetic counselors

Genetic Counseling 205

Genetic Counseling in Hospital Setting

Clinical rotation in a genetics clinic of choice serving a variety of referral indications

Genetic Counseling 206

Genetic Counseling in Community Setting

Clinical rotation in a community setting of choice.

Genetic Counseling 207

Seminars in Genetics and Genetic Counseling

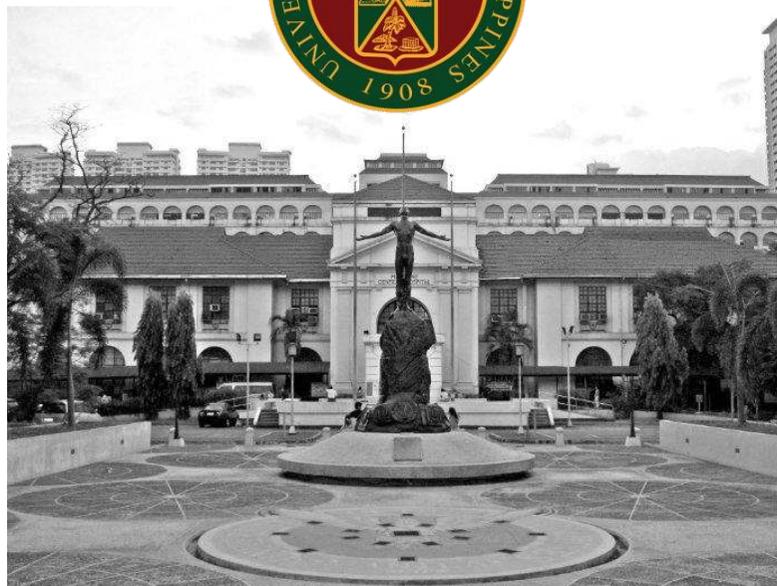
Topics in medical genetics in a forum setting

Genetic Counseling 300 Master's Thesis

Thesis research project in the field of genetic counseling

Further inquiries may be sent to:
THE DEPARTMENT OF PEDIATRICS
College of Medicine
 Tel no: +632-554-8400 loc 2100/2101/2107
 Fax: +632-524-0892
 E-mail: upcmpedia@yahoo.com

INSTITUTE OF HUMAN GENETICS
National Institutes of Health
 Tel no: +632-307-0780/ 88
 Fax: +632-526-9997



CONTACT US

Application forms may be obtained from and returned to:
 THE DIRECTOR
 NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES

☎ (632) 526-5870, 523-1495

📠 (632) 523-1498

🌐 ngohs.upm.edu.ph

✉ ngohs@post.upm.edu.ph

🐦 ngohs@post.upm.edu.ph



NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES



MASTER OF SCIENCE IN GENETIC COUNSELING

**A PROGRAM OFFERING OF THE
 COLLEGE OF MEDICINE
 UNIVERSITY OF THE PHILIPPINES
 MANILA**



RATIONALE

The field of medical genetics in the Philippines is fast expanding due to the increasing awareness and diagnosis of disorders with genetic etiologies, expansion of the National Comprehensive Newborn Screening System, the Birth Defects Surveillance project and the Telegenetics Referral System. There are only eight clinical medical geneticists serving approximately 90 million Filipinos; six of them are currently practicing in Manila, one in Cebu and one in Davao. Due to the limited number of clinical/ medical geneticists, there is a demand for additional health care providers specializing in genetics to serve in clinical practice (public and private), academic medical centers, administrative positions, and research laboratories.

The Master of Science in Genetic Counseling is a two-year degree program that prepares students to become competent genetic counselors. Genetic counselors are health care providers with specialized training in psychosocial counseling of patients and members of their families with risks for genetic disorders. The process involves data gathering of information about family history and psychosocial assessment. Genetic counselors work closely with the clinical/medical geneticist who provides the clinical diagnosis and management of a patient. They also work with a team of other health care providers (i.e., social workers, nurses, nutritionists, and other specialized medical professionals) to provide the best care to patients and their families.

The degree program will serve a vital role in the access, delivery, and expansion of medical genetics, not only in the Philippines but also in the Southeast Asia region

The MA (Nursing) degree requires completion of 36 units, 30 units of which are credited to academic courses and 6 units for the thesis. Except for N-241, N-242 and N-243 and some cognates, academic courses generally carry a 3-unit load. The full-time student enrolls in 12 units of academic work per semester and is given a maximum of 5 years within which to finish all 36 units of academics and the thesis, including passing the comprehensive examination.

ACADEMIC INFORMATION

The academic year is divided into 2 semesters of 16 weeks each, excluding registration and final examination periods. The 1st semester starts in August and ends in December, while the 2nd semester covers the period from January to May. The summer session of 6 weeks following the 2nd semester is usually in late June and July. English is generally used as the medium of instruction. A full time student's normal load is 12-15 units per semester and 6 units during summer; a part-time student takes half of this load.

The tuition fee is P990.00 per unit, library fee is P1,050.00 and other fees is P350 per semester. A student with a load of 15 units in a semester matriculates P16,250.00 on the average while a foreign student pays an additional Educational Development Fund of US \$ 500.00 (US \$100.00 for residency only) for every semester.

There is a processing fee of P300.00 for Filipino applicants while interested foreigners are charged US\$ 30.00. Application materials are submitted at the end of December of each year

The following are the grade requirements for each student to be of good standing in the program: 1) general weighted average of 2.00 or better, 2) weighted average of 2.00 or better for the major/ required courses, and 3) no grade of 5.00 in any academic course. A maximum of 5 years is given to a student to finish the program.

Living accommodations for students may be provided in privately-owned housing units/dorms/apartment hotels. Dorms offer lodging and/or board. There are privately-owned eateries around the school.

The master's degree will be awarded upon completion of 29 units of formal courses (core and major courses), 2 units of elective/ cognate courses and 6 units of thesis work.

PROGRAM GOALS

As the students complete the two-year degree program, they will be competent in assisting clinical medical geneticists in diagnosing and managing patients with various genetic conditions. The students will be able to address the implications of the diagnosis, both medically and psychosocially, to the patient and members of their families.

Graduates will be able to:

1. apply the basics of human genetics and the principles of clinical medical genetics and genetic counseling to patients;
2. provide supportive genetic counseling to families, serve as patient advocates, and refer patients and families to community and/or local government support services;
3. contribute to existing knowledge on genetic counseling through research;
4. serve as educators and resource for other health care professionals and for the general public; and
5. plan, develop, and evaluate genetic services programs.



ADMISSION REQUIREMENTS

The following are the minimum NGOHS requirements:

1. Good scholastic record from any recognized institution of higher learning
 - * prerequisite include completion of undergraduate courses in biology, chemistry, psychology or related courses.
2. Entrance Interview
3. Duly accomplished Application Form (available at the Graduate Office or through ngohs.upm.edu.ph) together with the following documents:
 - * original copy of the official Transcript of Records
 - * 2 recommendations from former professors, supervisors or employers (forms included in the application packet)
 - * receipt of processing fee paid at the UPM Cashier's Office
 - * certified true copy of college diploma with the seal of the university and the signature of the registrar in ink
 - * 4 passport-size photos □ resume or curriculum vitae
 - * photocopy of birth certificate and marriage certificate for married female applicants
 - * essay on an 8-1/2" x 11" sheet of paper stating the interest in genetic counseling and your view of self-directed learning as a method of instruction, and a description of your research interest
4. For foreign applicants, additional requirements include:
 - * original Transcript of Records in English. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from country of origin
 - * certified true copy of diploma with the seal of the university and the signature of the registrar in ink. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from country of origin
 - * Official TOEFL score of at least 550 (written test) or 173 (computerized test); 61 (internet based) or other Certification of English proficiency equivalent to TOEFL (e.g. IELTS (band 6); a certificate that English is the medium of instruction in the university where the student has graduated from is sufficient to waive this requirement
 - * affidavit of support or certification of financial capability
 - * photocopy of passport (present original for verification)

GRADUATION REQUIREMENTS

A candidate for the degree of Master of Science in Genetic Counseling must comply with the rules of graduation of the University.

1. Completion of academic requirements with a general weighted average not lower than 2.0;
2. Passing written comprehensive examination in the department;
3. Completion of the thesis research project. This must be an original research work that constitutes a substantial contribution to knowledge or skill in genetic counseling, through oral and written form;
4. Submission of a log book documenting 40 genetic counseling cases per student. The 40 patient clinical cases include 10 pedigree reports and 30 case reports (5 prenatal, 10 general pediatric, 10 metabolic and 5 adult cases).