

| CURRICULUM |

Core Courses 7-8 units		
Biochem 201.2	General Biochemistry (Lecture)	4
Biochem 201.3	Introduction to General Biochemical Laboratory Techniques	2
Biochem 297	Seminars in Biochemical Literature	2

Required/Eelctive Courses 9-10 units		
Biochem 204	Chemical Concepts in Biological Systems	1
Biochem 205	Special Laboratory Techniques	1
Biochem 206	Methods of Vitamin Analysis	1
Biochem 210	Biochemical Basis of Genetics	1
Biochem 221	Nucleotides and Nucleic Acids	3
Biochem 222	Proteins, Lipids and Carbohydrates	3
Biochem 224	Physical Biochemistry	3
Biochem 226	Biochemical Catalysis	3
Biochem 228	Metabolism and Its regulation	3
Biochem 230	Nutritional Biochemisrty	2
Biochem 235	Biochemical Basis of Some Clinical Problems	3
Biochem 340	Advances in Biochemistry	1
Biochem 280	Teaching Practicum in Biochemistry	1

Cognates 6 units

Thesis 6 units

Total 28-30 units

CERTIFICATE PROGRAM IN BIOCHEMISTRY

The objective of the certificate program is to provide training for qualified people who are interested in a teaching career in Biochemistry.

REQUIREMENTS

This program is open to holder of degrees of Doctor of Medicine, Doctor of Dental Medicine and professionals in related fields who are teaching Biochemistry.

COURSEWORK

The Certificate of Biochemistry will be awarded upon completion of 14 units of formal courses (6 units of which are core courses) and 1 unit of teaching practicum in Biochemistry. The candidate must obtain a weighted average grade of 2.0 or better. The following are the core courses:

Biochem 201.2	General Biochemistry (Lecture)	4 units
Biochem 297	Seminars in Biochemical Literature	2 units

Further inquiries may be sent to:
DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY
College of Medicine
 Tel nos: 526-4197
 E-mail: dbmb.upcm@gmail.com



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 BIOCHEMISTRY

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



CERTIFICATE IN BIOCHEMISTRY

The department graduate program was established in 1973 with the institution of the MS in Biochemistry. The certificate (Diploma) in Biochemistry was offered in 1983 while the Ph.D. in Biochemistry was instituted in 1984. The goals of the department graduate program is to provide responsive and responsible leadership and excellence in education, training, research and community services in the fields of biochemistry and molecular biology, and to contribute towards the revitalization of the country's economy through the development and application of appropriate biotechnology.

MS BIOCHEMISTRY

The objective of the program is to provide with an in-depth knowledge of biochemistry and to cultivate the proper attitudes and adequate skills for tertiary teaching, advanced research and specialty service.

COURSE WORK

Course work of 30 units of formal courses: 18 units of major/elective courses, 6 units of cognate courses and 6 units for thesis. A minimum of 18 units should be taken in the department. Cognates, which may be related to the thesis topic, may be taken from the department or outside provided it is within the UP System and carried a description implying a biochemical treatment of the subject.

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, with a two-week Christmas vacation in December. The summer session of 6 weeks following the 2nd semester is usually in June to 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 enrolls in half of these. At present, the tuition fee is P990.00 per unit, and the miscellaneous fee is around P1,215.00 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 will be accepted until the second week of April of each academic 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.

GRADUATION REQUIREMENTS

1. Residency of at least one full academic year prior to granting of degree
2. Completion of 30 units of course work
3. Successful oral and written presentation of master's thesis
4. Submission of 6 bound copies of the thesis
5. GWA of 2.00 or better in major courses and in all courses taken



ADMISSION REQUIREMENTS

The following are the minimum NGOHS requirements:

1. Good scholastic record from any recognized institution of higher learning
2. A bachelor of science degree preferably those who have taken courses in chemistry, biology, physics and mathematics.
3. 1-2 years work experience in related field
4. Duly accomplished Application Form (available at the Graduate Office or through ngohs.upm.edu.ph) together with the following documents:
 - * letter of application
 - * original copy of the official Transcript of Records
 - * 2 recommendations from former professors, supervisors or employers
 - * 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
 - * photocopy of birth certificate and marriage certificate for married female applicant only (NSO paper)
 - * essay on an 8-1/2" x 11" sheet of paper describing your motivation for pursuing graduate study and your view of self-directed learning as a method of instruction, and a description of your research interest
5. For foreign applicants, additional requirements include:
 - * original Transcript of Records in English. If written in another language, must be 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 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)