CURRICULUM

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

Required/Eelctive Courses | 9-10 units

Biochem 204	Chemical Concepts in Biological Systems
Biochem 205	Special Laboratory Techniques
Biochem 206	Methods of Vitamin Analysis
Biochem 210	Biochemical Basis of Genetics
Biochem 221	Nucleotides and Nucleic Acids
Biochem 222	Proteins, Lipids and Carbohydrates
Biochem 224	Physical Biochemistry
Biochem 226	Biochemical Catalysis
Biochem 228	Metabolism and Its Regulation
Biochem 230	Nutritional Biochemistry
Biochem 235	Biochemical Basis of Some Clinical Problems
Biochem 340	Advances in Biochemistry
Biochem 280	Teaching Practicum in Biochemistry
	O survey to
	Cognate

Thesis

Total units 28-30

4 2

2

3

6

6

4

2

CERTIFICATE PROGRAM IN BIOCHEMISTRY

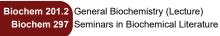
The objective of the certificate program is to provide training for qualified people who are interested in a teaching career in Biochemistry.

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.

COURSE WORK

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:





Further inquiries may be sent to: DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY **College of Medicine** \odot (632) 526-4197

dbmb.upcm@gmail.com

CONTACT US Application forms may be obtained from and returned to:

THE DIRECTOR



S. 2023



Scan to visit our website

https://cm.upm.edu.ph

COLLEGE OF **MEDICINE**



MASTER OF SCIENCE IN IN BIOCHEMISTRY



PROGRAM DESCRIPTION

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 PhD in Biochemistry was instituted in 1984. The goal 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.

Master of Science in Biochemistry 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.

PROGRAM OBJECTIVES

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.

ACADEMIC INFORMATION

Schedule of Semesters: 1st Semester: August to December 2nd Semester: January to May Midyear: June and July (6 weeks)

Number of Units: Full-time: 9-12 units/semester Part-time: 1-8 units/semester Midyear: 1-6 units

Fees: Tuition Fee: P990.00/unit Library Fee: P1,050.00 Other fees: P350.00/semester Processing Fee: P300.00

Additional Fees for Foreign Applicants: Processing Fee: US\$ 30.00

Educational Development Fund: US\$ 500.00 (US\$100.00 for residency only)/semester

Submission of Applications:

1st Semester: February until the last working day of April 2nd Semester: To be announced if offered

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;
- 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.





SCAN TO DOWNLOAD APPLICATION

ADMISSION REQUIREMENTS CHECKLIST



The following are the minimum NGOHS requirements:

- Good scholastic record from any recognized institution of higher learning *prerequisite include completion of undergraduate courses in biology, chemistry, psychology or related acourses.
- 2. Entrance Interview
- Duly accomplished Application Form (downloadable through the NGOHS website: ngohs.upm.edu.ph)
- 4. Comply with the General requirements found on the 2nd page of the Application Form (UPM-NGS-OP-01F1)

Additional Requirements of the College of Medicine:

Applications must be a health practitioner with:

- Basic training in biochemistry or molecular biology. Otherwise, prospective students may opt to take the undergraduate equivalent (Chem 32 or Chem 40/ Biochem 14)
- A passing mark in a validating examination in Computer Programming and Data Structures. Prospective students however, may opt to take its undergraduate equivalent (CS 11, CS 123) in the BS Computer Science Program of UP Manila.
- Basic training in Epidemiology or Biostatistics or equivalent.

Graduation Requirements:

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