

CURRICULUM

Core Courses | 18 units

Biochem 201.2	General Biochemistry	4
Biochem 201.3	Introduction to General Biochemical Laboratory Techniques	2
Biochem 205	Special Laboratory Techniques	1
Biochem 221	Nucleic Acids and Nucleotides	3
Biochem 222	Proteins, Carbohydrates and Lipids	3
Biochem 224	Physical Biochemistry	3
Biochem 297	Seminars in Biochemical Literature	2

Major Courses

Biochem 206	Methods of Vitamin Analysis	1
Biochem 210	Biochemical Basis of Genetics	1
Biochem 226	Biochemical Catalysis	3
Biochem 228	Metabolism and Its Regulation	3
Biochem 230	Nutritional Biochemistry	2
Biochem 235	Biochemical Basis of Some Clinical Problems	3
Biochem 240	Advances in Biochemistry	1
Biochem 310	Biochemical Genetics	3
Biochem 315	Lipids	2
Biochem 320	Carbohydrates	2
Biochem 325	Proteins	2
Biochem 330	Advances in Nutritional Biochemistry	2
Biochem 335	Inorganic Chemistry	3
Biochem 340	Bio-Organic Chemistry	3
Biochem 345	Physical Biochemistry of Macromolecules	3
Biochem 350	Industrial Biochemistry	1
Biochem 399	Research Seminar	3

Dissertation | 15 units

Biochem 400.1	Doctoral Dissertation	5
Biochem 400.2	Doctoral Dissertation	5
Biochem 400.3	Doctoral Dissertation	5

Total units of at least 42



Further inquiries may be sent to:
DEPARTMENT OF BIOCHEMISTRY
AND MOLECULAR BIOLOGY
College of Medicine



(+632) 8526-4197



dbmb.upcm@gmail.com



Scan to visit our website:
<https://cm.upm.edu.ph>

CONTACT US

Application forms may be obtained from and returned to:

THE DIRECTOR

NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES



(632) 88141 247
(632) 88141 248



National Graduate Office
for the Health Sciences



upm-ngohs@up.edu.ph



ngohs.upm.edu.ph



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S. 2023

COLLEGE OF
MEDICINE



DOCTOR OF PHILOSOPHY
IN BIOCHEMISTRY



ACADEMIC INFORMATION

Schedule of Semesters:

1st Semester: August to December

2nd Semester: January to May

Short Session: June and July (6 weeks)

***English is generally used as the medium of instruction.*

Number of Units:

Full-time: 12-15 units/semester

Part-time: 3-6 units/semester

Midyear: 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

***Average Tuition Fee for 15 units is P16,250.00*

Submission of Applications:

1st Semester: February until the last working day of April

2nd Semester: September until the last working day of October

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.*

Mode of programme offering:

1. Regular
2. Saturday Class

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.



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APPLICATION



ADMISSION REQUIREMENTS CHECKLIST

The following are the minimum NGOHS requirements:

1. Good scholastic record from any recognized institution of higher learning.
2. MS degree in Biochemistry or Chemistry or its equivalent from an accredited institution. BS degree graduates with exceptional performance in the first two semesters of their MS program may be considered for a straight PhD program after evaluation by the department.
3. 1-2 years work experience in the related field.
4. Duly accomplished Application Form (downloadable through the NGOHS website: ngohs.upm.edu.ph)
5. Comply with the General requirements found on the 2nd page of the Application Form (UPM-NGS-OP-01F1)

Graduation Requirements:

Applicants must be a health practitioner with:

- ☐ Residency of at least one full academic year prior to granting of degree.
- ☐ Completion of 30 units of courses work.
- ☐ Successful oral and written presentation of master's thesis.
- ☐ Satisfactory completion and submission of the required hard bound copies of dissertation.
- ☐ GWA of 2.00 or better in major courses and in all courses taken.

PROGRAM DESCRIPTION

The PhD in Biochemistry program is intended to encourage the development of Biochemistry in the Philippines through production of highly trained biochemists whose research works contribute to the development of new knowledge. The program highlights a complement of faculty experts coming from diverse fields of interest and offers a comprehensive field of study for incoming graduate students. The basic curriculum has been widened in scope to integrate advancements in the field of biocomputation and molecular techniques. Moreover, the department provides a special setting for students to learn biochemistry, molecular biology, cell biology, biophysical chemistry and genetics in a way these can be utilized to address current and emerging challenges to health.

PROGRAM OBJECTIVES

The program is intended to encourage the development of Biochemistry in the Philippines through the production of highly trained biochemists whose research works contribute to the development of new knowledge.