Doctor of Philosophy Program in Biochemistry (Full time)

The program aims to prepare graduates with the ability to solve biochemical problems, particularly in medical and agricultural fields, while promoting innovation and the creation of new knowledge through research-based learning. It also seeks to develop graduates with self-directed learning skills. Graduates will also develop effective communication skills, the ability to use digital tools, work collaboratively, and demonstrate ethical standards. These competencies will ensure that graduates possess both academic excellence and essential skills needed to contribute to the nation's advancement and to be responsible global citizens.

<table>
<tr><td>1. Number of students limited</td><td>6</td></tr>
<tr><td>2. Plan of study</td><td>Plan 1.1, Plan 1.2</td></tr>
<tr><td>3. Instruction Administration</td><td>Monday - Friday</td></tr>
<tr><td>4. Format of Instruction</td><td>Onsite</td></tr>
<tr><td>5. Tuition fee</td><td>56,000 Baht per semester</td></tr>
<tr><td>6. Course Structure</td><td>
<table>
<tr><th rowspan="2">Course Structure</th><th colspan="2">Plan of study</th></tr>
<tr><th>Plan 1.1</th><th>Plan 1.2</th></tr>
<tr><td>Thesis</td><td>48</td><td>72</td></tr>
<tr><td>Total</td><td>48</td><td>72</td></tr>
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</td></tr>
<tr><td>7. Qualification of applicants</td><td>For plan 1.1
An applicant must hold a Master’s Degree in Biochemistry or a related field with a cumulative grade point average (GPA) of at least 3.0/4.0. Additionally, they must meet the English proficiency requirements as specified in the Graduate School's announcement on English language criteria for doctoral program applicants.

For plan 1.2
Applicants must hold a Bachelor’s Degree in Science or a related field with a minimum cumulative grade point average (GPA) of 3.25 and have research experience in biochemistry or a related field. Additionally, they must meet the English proficiency requirements set by the Graduate School for doctoral program applicants.
Or
Applicants must hold a Bachelor’s Degree in Science or a related field with a minimum cumulative grade point average (GPA) of 3.00, meet the English proficiency requirements set by the Graduate School for doctoral program applicants, and have at least two years of research experience in biochemistry or a related field. Additionally, they must have a published research article in an academic journal.
Or
Admission may also be considered at the discretion of the program’s academic committee.
Other qualifications must comply with the Graduate School’s regulations and requirements (2020).</td></tr>
<tr><td>8. Application documents required by program</td><td>1. An official transcript
2. A proof of publication (if applicable)
3. Standardized English test score:</td></tr>
</table>

	3.1 If an applicant does not possess an English proficiency test score meeting the Graduate School's requirements, the faculty permits the submission of test scores from recognized institutions, provided that they have been obtained within the past two years, as outlined below: For plan 1.1 (Master's to Ph.D. Program): - PSU-TEP: reading & structure score of at least 55%, or - CU-TEP: A total score of at least 50 across three skills. For plan 1.2 (Bachelor's to Ph.D. Program): - PSU-TEP: reading & structure score of at least 50%, or - CU-TEP: A total score of at least 50 across three skills. 3.2 If the applicant does not have the required English test scores, they must take the Tell Me More placement test and achieve at least an Intermediate level. If the score is lower, admission will be at the discretion of the program's academic committee. For international Ph.D. applicants: Applicants must meet the following minimum English proficiency scores: - TOEFL (Paper-Based Test - PBT): ≥ 500 - TOEFL (Institutional Testing Program - ITP): ≥ 520 - TOEFL (Computer-Based Test - CBT): ≥ 173 - TOEFL (Internet-Based Test - iBT): ≥ 61 - IELTS: ≥ 5.0 - Equivalent scores: -PSU-TEP: An average score of ≥ 50% across listening, reading, and writing - CU-TEP: ≥ 50 - TOEFL (Revised Paper-Delivered Test): ≥ 34
9. Contact info	Asst.Prof.Dr.Ladda Leelawatwattana, Tel : +66-7428-8273 E-mail: ladda.l@psu.ac.th https://www.sci.psu.ac.th/computational-science/

Test schedule

For applicants enrolling in the first semester

Subject	Date	Venue
Interview on fundamental biochemistry knowledge and past research experience.	First round: By April 10, 2025 Second round: By May 25, 2025 Note: The exact dates will be confirmed directly with the applicants.	Room ST.407. Biochemistry Program, Faculty of Science

For applicants enrolling in the second semester

Subject	Date	Venue
Interview on fundamental biochemistry knowledge and past research experience.	By October 5, 2025 Note: The exact date will be confirmed directly with the applicants.	Room ST.407. Biochemistry Program, Faculty of Science