

# DOCTOR OF PHILOSOPHY PROGRAM IN BIOMEDICAL SCIENCES INTERNATIONAL PROGRAM/REVISED PROGRAM 2565 B.E.

## PROGRAM

- (Thai)                   ปรัชญาดุษฎีบัณฑิต สาขาวิชาวิทยาศาสตร์ชีวการแพทย์ (หลักสูตรนานาชาติ)  
(English)                Doctor of Philosophy Program in Biomedical Science (International Program)

## DEGREE

- (Thai)  
Full title               : ปรัชญาดุษฎีบัณฑิต (วิทยาศาสตร์ชีวการแพทย์)  
Abbrev.                : ปร.ด. (วิทยาศาสตร์ชีวการแพทย์)
- (English)  
Full title               : Doctor of Philosophy (Biomedical Sciences)  
Abbrev.                : Ph.D. (Biomedical Sciences)

## DEGREE REQUIREMENTS

- Type 1.1: 48 Credits
- Type 1.2: 72 Credits

## STUDY DURATION

- Type 1.1: 3 Years (6 Semesters), a maximum of 6 years
- Type 1.2: 5 Years (10 Semesters), a maximum of 8 years

## PROGRAM STRUCTURE

- Type 1.1 (Master's Degree Based)

Degree requirements	48	Credits
A. Dissertation	48	Credits
510898 Dissertation	48	Credits

### B. Academic Activities

1) Students must present, in English, a seminar in the journal club seminar format on the topic related to his/her dissertation at least one seminar per semester upon the entire period stated in the study plan (3 years or 6 semesters). In case of absence due to doing research in another institute, students must perform this activity in that institute. Students who do not perform this activity must complete the required seminar activity when they return.

2) Students have to attend at least 80 percent of the regularly journal club seminar scheduled in each semester. The seminar is carried out in English and students are expected to ask probing questions and participate in discussion to gain knowledge and understanding of the seminar

topic. In exceptional cases, students may ask for permission of seminar absence from the Curriculum Administrative Committee.

3) Students have to report their dissertation progression to the Curriculum Administrative Committee every semester.

4) Students must attend any special lectures related to his/her dissertation given by guest speakers in each semester according to the study plan.

5) Students have to present the dissertation or a part of the dissertation at an academic international conference which is associated with the student's field of study at least one time.

6) Students have to publish at least two peer-reviewed original articles based on their dissertation. One article has to be published in the peer-reviewed international journal listed in Web of Science (ISI) Database, IEEE, Scopus, or PubMed. In addition, students must be the first author in at least one article.

7) Students have to report the dissertation progression to the graduate school, using the graduate school format, every semester. The progress report will be approved by the Chair of the Faculty Graduate Education Executive Committee prior to submission to the graduate school.

**C. Non-credit course**

- 1) Graduate School's requirement - a foreign language
- 2) Program's requirement - The student may enroll other graduate courses(s) under the consent of the advisor

**D. Qualifying examination**

1) A student must complete a qualifying examination to evaluate his/her ability before presenting a thesis proposal.

2) An unsuccessful examinee may take re-examination within the following regular semester.

• **Type 1.2 (Bachelor's Degree Based)**

Degree requirements	<b>72</b>	<b>Credits</b>
<b>A. Dissertation</b>	<b>72</b>	<b>Credits</b>
510897 Dissertation	72	Credits

**B. Academic Activities**

1) Students must present, in English, a seminar in the journal club seminar format on the topic related to his/her dissertation at least one seminar per semester upon the entire period stated in the study plan (5 years or 10 semesters). In case of absence due to doing research in another institute, students have to perform this activity in that institute. Students who do not perform this activity must complete the required seminar activity when they return.

2) Students have to attend at least 80 percent of the regularly journal club seminar scheduled in each semester. The seminar is carried out in English and students are expected to ask probing questions and participate in discussion to gain knowledge and understanding of the seminar topic. In exceptional cases, students may ask for permission of seminar absence from the Curriculum Administrative Committee.

3) Students have to report their dissertation progression to the Curriculum Administrative Committee every semester.

4) Students must attend any special lectures, related to his/her dissertation, given by guest speakers in each semester according to the study plan.

5) Students have to present the dissertation or a part of the dissertation at an academic international conference which is associated with the student's field of study at least one time.

6) Students have to publish at least two peer-reviewed original articles based on their dissertation. Two articles have to be published in the peer-reviewed international journals listed in Web of Science (ISI) Database, IEEE, Scopus, or PubMed. In addition, students must be the first author in at least one article.

7) Students have to report the dissertation progression to the graduate school, using the graduate school format, every semester. The progress report will be approved by the Chair of the Faculty Graduate Education Executive Committee prior to submission to the graduate school.

#### **C. Non-credit courses**

- |                                  |   |
|----------------------------------|---|
| 1) Graduate School's requirement | - a foreign language  |
| 2) Program's requirement         | - The student may enroll other graduate courses(s) under the consent of the advisor |

#### **D. Qualifying examinations**

- 1) A student must complete a qualifying examination to evaluate his/her ability before presenting a thesis proposal.
- 2) An unsuccessful examinee may take re-examination within the following regular semester.

## STUDY PLAN

- Type 1.1 (Master's Degree Based)

1 <sup>st</sup> year					
Semester 1		Credits	Semester 2		Credits
	Enroll for Service	0		Enroll for Service	0
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
	Pass English Test	0		Qualifying Exam	0
<b>Total</b>		<b>0</b>	<b>Total</b>		<b>0</b>

2 <sup>nd</sup> year					
Semester 1		Credits	Semester 2		Credits
510898	Dissertation	12	510898	Dissertation	12
	Organize seminar/ Attend seminar/present paper			Organize seminar/ Attend seminar/present paper	0
	Present dissertation proposal	0			
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

3 <sup>rd</sup> year					
Semester 1		Credits	Semester 2		Credits
510898	Dissertation	12	510898	Dissertation	12
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
				Dissertation defense	
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

**TOTAL 48 CREDITS**

• Type 1.2 (Bachelor's Degree Based)

1 <sup>st</sup> year					
Semester 1		Credits	Semester 2		Credits
	Enroll for Service	0		Enroll for Service	0
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
	Pass English Test	0			
<b>Total</b>		<b>0</b>	<b>Total</b>		<b>0</b>

2 <sup>nd</sup> year					
Semester 1		Credits	Semester 2		Credits
	Enroll for Service	0		Enroll for Service	0
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
				Qualifying Exam	0
<b>Total</b>		<b>0</b>	<b>Total</b>		<b>0</b>

3 <sup>rd</sup> year					
Semester 1		Credits	Semester 2		Credits
510897	Dissertation	12	510897	Dissertation	12
	Proposal Exam	0		Organize seminar/ Attend seminar/present paper	0
	Organize seminar/ Attend seminar/present paper	0			
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

4 <sup>th</sup> year					
Semester 1		Credits	Semester 2		Credits
510897	Dissertation	12	510897	Dissertation	12
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

5 <sup>th</sup> year					
Semester 1		Credits	Semester 2		Credits
510897	Dissertation	12	510897	Dissertation	12
	Organize seminar/ Attend seminar/present paper	0		Organize seminar/ Attend seminar/present paper	0
				Dissertation defense	
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

**TOTAL 72 CREDITS**