

Asia University

Department of Bioinformatics and Medical Engineering

Doctor of Philosophy (PhD) Requirements

The following rules apply to the Doctor of Philosophy.

Duration of Candidature

- A full-time candidate for the degree of Doctor of Philosophy by thesis shall pursue the approved program of studies for a period of not less than two, and not more than seven years.

Course requirements

- Student must complete 8 credit hours of seminar courses.
- After passing the qualifying examination, a student must complete 6 credit hours of PhD dissertation course.
- Student must complete not least than 24 credit hours in doctoral-level courses.

Degree requirements

- To be eligible to a PhD degree, a student is required to publish at least one journal papers in relevant areas of research, that is, 1) one Science Citation Index (SCI) or Science Citation Index Expanded (SCIE) paper, or 2) two Engineering Index (EI) paper with the minimum of one EI paper and one EI conference paper. It is compulsory that the student is the first author.

Qualify examination

- Qualify examination will be held once every semester, that is March or October.
- Students are required to pass a written qualifying examination on two course subjects. Students who fail to pass the qualifying examination on their third attempt will be dismissed from the Ph.D. program.
- Student required to apply one month before he/she takes the qualifying examination.
- Student can be exempted from taking a qualifying examination course subject by publishing a SCI, SCIE or EI paper.
- Qualifying examination subjects: Bioinformatics (compulsory), molecular biology (elective), computational biology (elective)

Thesis advisor

- Student is required to select his/her advisor before the end of the second semester after his/her admission by filling out the "Thesis Advisor Agreement

Form". Thesis advisor must be one of the "FULL TIME" faculty members at the Department of Bioinformatics and Medical Engineering. Faculty members from other departments can serve as co-advisors only.

- The department discourages requesting a change of advisor. If it is necessary, student requires to get an approval from his/her advisor, submits the "Request for Change of Thesis Advisor" form, and get the approval of the Graduate Committee.

Degree by Thesis

- The "Thesis Advisory Committee" is needed to set up in order to evaluate the PhD student research proposal (the candidacy examination). This Committee has to form within six months after the student passing the qualifying examination.
- The "Thesis Advisory Committee" is formed by two to three members approved by the department to evaluate the PhD research proposal.
- The PhD student is required to give an oral presentation on his/her thesis proposal. A student passing the candidacy examination is deemed a PhD candidate.
- PhD dissertation oral defense is scheduled no earlier than four months after the research proposal is approved.

PhD oral defense examination

- PhD student has to submit the application of the defense examination two week before the examination date.
- The PhD oral defense examination is open to the public. Examination time, location, and thesis title will be announced at least a week before the examination.
- The PhD oral defense committee is formed by five to nine members, including thesis advisor, co-advisor if applicable, and external examiner (at least one third of the committee members).
- At least five members have to present during the oral examination.
- An average passing score 70 plus at least two third of the members give scores above 70 are required to pass the examination.
- Students who fail to pass the oral examination on their second attempt will be dismissed from the Ph.D. program. Student can retake the oral examination on the next semester or academic year.

Plagiarism and Doctoral Dissertations

- The University will strip off the doctoral degree if the suspicion of plagiarism is confirmed in a doctoral dissertation.

**Department of Bioinformatics and Medical Engineering
PhD Thesis Advisor Agreement Form**

PhD student name		Date	
Thesis advisor (Full Time faculty)		co-advisor (Leave it blank, if not applicable)	
Name:		Name:	
		Institution:	
		Job title:	
Thesis advisor statement			
<p>I agree to serve as the thesis advisor for the above named student.</p> <p style="text-align: center;">signature of advisor: _____</p> <p style="text-align: right;">Date: _____</p>			
Signature of Department Chairman			

Department of Bioinformatics and Medical Engineering

Application for Change of Thesis Advisor

Department			
Student ID			
Name			
Reasons for change of advisor			
Signature of advisor	Date:	Signature of new advisor	Date:
Original thesis title			
New thesis title			
Signatures of Graduate Committee members	Date:		

Department of Bioinformatics and Medical Engineering

PhD Thesis Proposal

Name:	Student ID:
Signature of advisor: _____	
Research topic: Research proposal (Expand this space as needed)	
Thesis Advisory Committee Member Comments (Expand this space as needed):	
Signature of Thesis Advisory Committee Members: _____ _____ _____	

Date:

Department of Bioinformatics and Medical Engineering
PhD Oral Defense Examination Application Form

Name		ID		Date of Admission	
Thesis title					
documents	<ul style="list-style-type: none"> • Advisor recommendation form • Creditial: _____ credit hours(exclude PhD seminar) • PhD dissertation: _____ credit hours • PhD thesis • SCI, SCIE, EI publication list or acceptance letter 				
Filled by the applicant	<p>Total number SCI or SCIE papers _____</p> <p>Total number EI papers _____</p> <p>Signature of advisor: _____</p>				
PhD oral defense committee members	<ul style="list-style-type: none"> • Total number of accepted SCI or SCIE papers _____ • Total number accepted EI papers _____ • Curriculum <input type="checkbox"/>PASS <input type="checkbox"/>FAIL • Final Grade <input type="checkbox"/>PASS <input type="checkbox"/>FAIL • Signature of committee members • _____ , _____ , • _____ , _____ 				

PhD oral defense committee members					
	Name	Institution	Title	Address	Telephone