



Joint Program Between

ASSUMPTION UNIVERSITY OF THAILAND AND UNIVERSITY OF CALIFORNIA AT DAVIS, USA



MASTER OF SCIENCE IN FOOD BIOTECHNOLOGY

Faculty of Biotechnology, Assumption University

50% Scholarships*

*For those who graduated from Assumption University and our MOU may be granted to get 50% discount of all tuition fees.

Please contact for more information



→ → Hua Mak Campus

DURATION 1-2 YEARS , FULL-TIME

As the largest industry in Thailand, food products account for more than 20 percents of the country's gross national product. Consumers drive the industry as they seek more convenience and nutrition, yet fewer calories, in the foods they buy. As the industry strives to meet consumer demands, its feast, not famine, in the job market for trained food biotechnologists as the demand for their knowledge grows. School of Biotechnology, Assumption University intended to provide programs of study for students with an interest in this field. And due to the collaboration agreement between University of California at Davis and Assumption University, student will learn cutting-edge technology in the nation's fastest growing food industry. University of California at Davis is recognized worldwide for its expertise in beverage technology, industrial fermentation, microbial integrated manufacturing, and more.

ADMISSION SCHEDULE 2018

Schedule	Semester I 2018 Batch 24	Semester II 2018 Batch 25	Semester I 2019 Batch 26
Application Deadline	Now - July 10, 2018	Now - December 11, 2018	Now - July 9, 2019
Entrance Examinations	Wednesday, July 11 2018	Wednesday, December 12, 2018	Wednesday, July 10, 2019
- Specific Knowledge in Biotechnology	09.00 -12.00 hrs.	09.00-12.00 hrs.	09.00-12.00 hrs.
- Interview Date	13.00 -15.00 hrs.	13.00-15.00 hrs.	13.00-15.00 hrs.
Interview date	Wednesday, July 11, 2018	Wednesday, December 12, 2018	Wednesday, July 10, 2019
English Proficiency test	TBA	TBA	TBA
Entrance result	Thursday, July 12, 2018	Thursday, December 13, 2018	Thursday, July 11, 2019
Instruction begins	August 14, 2018	TBA	TBA

QUALIFICATIONS FOR ADMISSION

- » Candidates are required to hold a bachelor's degree in Food Science and Technology, Biological Science, Biotechnology or related fields.
- » Candidates who do not hold the degree as specified will be requested to enroll in foundation courses.
- » Candidates must have earned a CGPA of at least 2.5 on a scale of 4.0.

ENTRANCE REQUIREMENTS

1. A completed application form
2. Official transcript of the previous university attended (2 copies)
3. Bachelor's Degree Certificate (2 copies)
4. Identification card (2 copies)
5. Residence Registration or passport (2 copies)
6. Six (1"x1") Photographs (non graduation photo)
7. Recommendation letters from either former instructor or current employer (2 letters)
8. Statement of purpose. The 1 A4 page essay should state your motivation, interest and expecting goal.

*** All copies must be printed on A4 paper and contain endorsement signature.

Note : All documents must be endorsed with signature and submitted in person within the last day application period, otherwise the application will not be considered and the applicant will not be allowed to sit for the Admission interview.

ADMISSION & EXAMINATION FEES

Admission Fee	Baht 500
Specific Knowledge in Biotechnology	Baht 500
Interview	Baht 2,000
AU English Proficiency Test	Baht 500

EXEMPTION

The AU English Proficiency Test can be exempted depending on which of the following conditions you satisfy.

- a TOEFL score of (iBT) 90 or (P) 575 or an IELTS (Academic) score of at least 6.5 (Validation: Two years)
- a Bachelor's degree or a higher degree from native English speaking countries (e.g. USA, Canada, UK, Australia and New Zealand)

STUDY SYSTEM

1 st semester	2 nd semester
August-December	January-May

VENUE & CLASS HOURS

- » Hua Mak Campus, Ramkhamhaeng 24 Road
- Mon-Fri : 9.30- 17.00 hrs.

DURATION: 1-2 YEARS

GRADUATION REQUIREMENTS

To be qualified for graduation, the student must:

1. Pass every required course with grade of at least B for each course.
2. Complete at least 39 credits.
3. Earn a minimum CGPA of 3.0.
4. Submit the thesis and pass the thesis examination (thesis option) or complete master thesis project and pass comprehensive examination (non-thesis program).



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STUDY PLAN AND CURRICULUM STRUCTURE

Students may take the option for plan A, B, or plan C.

PLAN A Type A1: (Thesis Only)

3 Seminar courses	0 Credits
Thesis	36 Credits
Total	36 Credits
Thesis Exam	

PLAN A Type A2 : (Thesis + Course work)

4 required courses	12 Credits
4 General elective courses	12 Credits
3 Seminar courses	3 Credits
Thesis	12 Credits
Total	39 Credits
Thesis Exam	

PLAN B: (Coursework and Independent Study)

4 required courses	12 Credits
6 General elective courses	18 Credits
3 Seminar courses	3 Credits
Independent Study	6 Credits
Total	39 Credits
Comprehensive Exam	

Required Courses

FB 5101	Aspects in Biotechnology
FB 5102	Economics of Resources, Agriculture, and Food
FB 5106	Advanced Food Processing
FB 6146	Advanced Food Microbiology

Graduate Student Seminar

FB 5108A	Graduate Student Seminar
FB 5108B	Graduate Student Seminar
FB 5108C	Graduate Student Seminar

Elective Courses

AI 4211	Fermentation Process
AI 4212	Tissue Cultural Techniques and Application
FB 5107	Principle of Sustainable Agricultural Products
FB 6109	The World Food Economy
FB 6191	Nutritional Therapy
FB 6189	Experimental Designs and Statistic Analysis

Thesis Research

FB 81** and FB80**	Thesis Research 12/36
FB 8015	Independent study 6

ESTIMATED EXPENSES

Fee Description	2 - year, 4 semesters	
	THB	US\$
Enrollment fees:		
Matriculation fee (Thai students)	10,000	303
Matriculation fee (non-Thai students)	22,500	682
Student Activities Fee	6,000	182
Registration fees / semester:		
Tuition fee (THB 4,000 x 39 credits)	156,000	5,727
University fee (THB 17,900 x 4 semesters)	71,600	2,170
Annual internet & access control fees, (THB 2,400 / year)	4,800	145
Annual health & life insurance fee (non-Thai students, THB 5,000 / year)	10,000	303
Additional fees		
Thesis defense	4,000	121
Approximate total for Thai students	252,400	7,648
Approximate total for non-Thai students	274,900	8,330

Note:

- Tuition fee doesn't cover the followings:
 - Admission fee
 - Tuition fee for non-credit courses
 - Text books
 - Health and life insurance (non-Thai students)
 - AU Academic Writing Course (15,000 THB)
- The fees are subject to change at the university's discretion without prior notice.
- Currency exchange rate: THB 33 = US\$ 1

Faculty of Biotechnology

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IMPORTANT

The provisional information statements set forth in this catalog should not be construed as the basis of any contract between a student and this institution. As such Assumption University reserves the right to change any provision listed in this catalog, including, but not limited to academic requirements for graduation. Every effort through the Office of Graduate Studies, will be made to keep students advised of any such changes.

The University Registrar

Last updated: April 2018

UNIVERSITY ADMISSIONS CENTER (UNIAD)

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