



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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