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

PH.D.FB
DOCTOR OF PHILOSOPHY IN FOOD BIOTECHNOLOGY

Assumption University is collaborating with University of California at Davis to offer a PhD. Program in Food Biotechnology. This unique Doctor of Philosophy Degree program combines the faculties, the educational and research facilities and the high-tech equipment at the two campuses to create a program on the cutting edge of technology. The program is designed to provide students with marketable skills and qualifications for work in a high-tech industry, as well as the academic foundation.

ADMISSION SCHEDULE 2017 / 2018

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Semester I 2017 Batch 22</th>
<th>Semester II 2017 Batch 23</th>
<th>Semester I 2018 Batch 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application deadline</td>
<td>Now - July 11, 2017</td>
<td>Now - November 14, 2017</td>
<td>Now - July 10, 2018</td>
</tr>
<tr>
<td>Entrance Examinations</td>
<td>Wednesday, July 12, 2017</td>
<td>Wednesday, November 15, 2017</td>
<td>Wednesday, July 11, 2018</td>
</tr>
<tr>
<td>- Specific Knowledge in Biotechnology</td>
<td>09.00-12.00 hrs.</td>
<td>09.00-12.00 hrs.</td>
<td>09.00-12.00 hrs.</td>
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<tr>
<td>- Interview</td>
<td>13.00-15.00 hrs.</td>
<td>13.00-15.00 hrs.</td>
<td>13.00-15.00 hrs.</td>
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<tr>
<td>Interview date</td>
<td>Wednesday, July 12, 2017</td>
<td>Wednesday, November 15, 2017</td>
<td>Wednesday, July 11, 2018</td>
</tr>
<tr>
<td>English Proficiency test</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Entrance result</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Instruction begins</td>
<td>Mon, August 15, 2017</td>
<td>Mon, January 22, 2018</td>
<td>Mon, August 20, 2018</td>
</tr>
</tbody>
</table>

*TBA = to be announced

QUALIFICATIONS FOR ADMISSION
1. Student must hold a Bachelor’s degree or a Master’s degree in Food Science, Biotechnology, Biological Science or related subjects.
2. Receive a cumulative GPA of at least 3.0 for student holding a Master degree.
3. Receive a cumulative GPA of at least 3.5 for student holding a Bachelor degree.
4. Pass English Examination with a TOEFL score of more than 575 or equivalent.
5. The Program Committee and the Dean of Office of Graduate School may make exemptions of the above.

ENTRANCE REQUIREMENTS
1. A Complete application form.
2. Two copies of transcripts of previous college and university work.
3. Four Photographs, 1-inch size.
4. Two copies of residence registration and identification card (for Thai Applicants), two copies of passport (for non-Thai Applicants).
5. Three original letters of recommendation from individuals qualified to comment on your potential for academic success in the doctoral program.
6. A TOEFL result.
7. Statement of purpose indicating that you want to pursue your career in Food Biotechnology or Recommendation letters from either former instructor or current employer (2 letters)

ADMISSION & EXAMINATION FEES
- Admission Fee: Baht 500
- Specific Knowledge in Biotechnology: Baht 1,000
- Interview: Baht 2,000

STUDY SYSTEM
1st semester | 2nd semester
August-December | January-May
VENUE & CLASS HOURS
» Hua Mak Campus, Ramkhamhaeng 24 Road
Mon-Fri: 9.30-17.00 hrs.

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 at least 3.0 GPA.
4. Submit the thesis and pass the thesis examination (thesis option) or complete master thesis project and pass comprehensive examination (non-thesis program).

DURATION: 3-4 YEARS

APPLICATIONS
Hua Mak Campus
Admissions Center “P” Building, 1st floor, Ramkhamhaeng 24 Road, Bangkok 10240 Thailand
Office hours:
Monday - Friday 08:00 A.M. - 05:00 P.M.
Saturday 08:00 A.M. - 04:30 P.M.
Sunday 08:00 A.M. - 02:00 P.M.

ABAC City Campus
ABAC City Campus, ZEN @Central World, Level 14 4,4/5 Rajdamri Rd., Phatumwan Bangkok 10330 Thailand
Office hours:
Monday - Friday 08:00 A.M. to 06:00 P.M.
Saturday - Sunday 10:00 A.M. to 06:00 P.M.

Suvarnabhumi Campus
Admissions Center SM115, 88 Moo 8 Bang Na-Trad Km.26, Bangsangthong, Samuthprakarn, Thailand 10540
Office hours:
Monday - Friday 08:30 A.M. to 05:00 P.M.

www.biotech.au.edu
e-mail: biotech@au.edu
www.facebook.com/BioABAC
Tel: +662-719-2700, +662-300-4553 ext. 3796

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.
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STUDY PLAN AND CURRICULUM

Type 1.1  48 Credits  3 years
Type 1.2  72 Credits  5 years
Type 2.1  48 Credits  3 years
Type 2.2  75 Credits  5 years

Type 1.1: Dissertation (For students holding Master’s Degree)
- Seminar: 48 Credits
- Dissertation: 48 Credits
- Total: 48 Credits

Type 1.2: Dissertation (For students holding Bachelor’s Degree)
- Seminar: 72 Credits
- Dissertation: 72 Credits
- Total: 72 Credits

Type 2.1: Courses and Dissertation (For students holding Master’s Degree)
- Elective Courses: 6 Credits
- Advanced Elective Courses: 3 Credits
- Seminar: 3 Credits
- Dissertation: 36 Credits
- Total: 48 Credits

Type 2.2: Courses and Dissertation (For students holding Bachelor’s Degree)
- Elective Courses: 18 Credits
- Advanced Elective Courses: 6 Credits
- Seminar: 3 Credits
- Dissertation: 48 Credits
- Total: 75 Credits

ESTIMATED EXPENSES

Fee descriptions

<table>
<thead>
<tr>
<th>Description</th>
<th>2 - year, 4 semesters</th>
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<tbody>
<tr>
<td>Enrollment fees:</td>
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</tr>
<tr>
<td>Matriculation fee (Thai students)</td>
<td>9,000 THB / 300 US$</td>
</tr>
<tr>
<td>Matriculation fee (non-Thai students)</td>
<td>21,500 THB / 717 US$</td>
</tr>
<tr>
<td>Student’s activities fee</td>
<td>6,000 THB / 200 US$</td>
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</tbody>
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| Registration fees / semester:                    |                        |
| Tuition fee (THB 4,000 x 39 credits)             | 156,000 THB / 5,200 US$|
| University fee (THB 17,400 x 4 semesters)       | 69,600 THB / 2,320 US$  |
| Annual internet & access control fees,           |                         |
| (THB 2,400 / year)                               | 4,800 THB / 160 US$     |
| Annual health & life insurance fee               |                         |
| (non-Thai students, THB 5,000 / year)            | 10,000 THB / 333 US$    |

| Additional fees                                  |                        |
| Thesis defense                                    | 3,300 THB / 110 US$    |
| Approximate total for Thai students              | 248,700 THB / 8,290 US$|
| Approximate total for non-Thai students          | 271,200 THB / 9,040 US$|

Note:
1. Tuition fee doesn't cover the followings:
   - Admission fee
   - Tuition fee for non-credit courses
   - Text books
   - Health and life insurance (non-Thai students)
2. The fees are subject to change at the university’s discretion without prior notice.
3. Currency exchange rate: THB 30 = US$ 1

COURSE STRUCTURE

1. Proposal Foundation Course at Assumption University, Bangkok
2. Ph. D. Research study at University of California at Davis, USA.

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 6198: Experimental Designs and Sustainable Analysis

Thesis Research
- FB 8000: Thesis Research 12/36 (0-36/108)
- FB 8001: Independent study 6(0-18)

Faculty of Biotechnology
24 Sai Ramkhamhang 24 Hua Mak Rd. Hua Mak
Bangkapi, Bangkok 10240 Thailand

Telephone: +66-2-304553-60 ext. 3796, 3794, 3793
Fax: +66-2-304553-60 ext. 3792
Email: biotech@au.edu | www.bioitech.au.edu
Facebook: www.facebook.com/BioIABAC

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.

Last updated: June 2017

The University Registrar