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.

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 CGPA of at least 3.0 for student holding a Master degree.
3. Receive a CGPA of at least 3.5 for student holding a Bachelor degree.
4. 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. Statement of purpose indicating that why you want to pursue your career in Food Biotechnology

ADMISION & EXAMINATION FEES

<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>Admission Fee</td>
<td>Baht 500</td>
<td></td>
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<tr>
<td>Specific Knowledge in Biotechnology</td>
<td>Baht 500</td>
<td></td>
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<tr>
<td>Interview</td>
<td>Baht 2,000</td>
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<tr>
<td>AU English Proficiency Test</td>
<td>Baht 500</td>
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EXEMPTIONS

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

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

VENUE & CLASS HOURS

- Hua Mak Campus, Ramkhamhaeng 24 Road
  Mon-Fri : 9:30-17.00 hrs.

DURATION: 3-5 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 at 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).

APPLICATIONS

- Hua Mak Campus
  Admissions Center "P" Building, 1st floor, Ramkhamhaeng 24 Road, Bangkok 10240 Thailand
  Office hours: Monday – Friday 08:30 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 10:00 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, Bangsanthong, Samuthprakarn, Thailand 10540
  Office hours: Monday – Friday 08:30 A.M. to 05:00 P.M.
Ph.D.FB
DOCTOR OF PHILOSOPHY IN FOOD BIOTECHNOLOGY

STUDY PLAN AND CURRICULUM

<table>
<thead>
<tr>
<th>Credits</th>
<th>Type 1</th>
<th>Type 2</th>
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<tbody>
<tr>
<td>48</td>
<td>1.1</td>
<td>1.2</td>
</tr>
<tr>
<td>75</td>
<td>2.1</td>
<td>2.2</td>
</tr>
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</table>

**Type 1.1: Dissertation** (For students holding Master’s Degree)

- Seminar: Non-Credit
- Dissertation: 48 Credits
- Total: 48 Credits

**Type 1.2: Dissertation** (For students holding Bachelor’s Degree)

- Seminar: Non-Credit
- 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

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 6189: Experimental Designs and Sustainable Analysis

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

ESTIMATED EXPENSES

<table>
<thead>
<tr>
<th>Fee descriptions</th>
<th>3-5 year, 6-10 semesters</th>
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<tbody>
<tr>
<td>Enrollment fees:</td>
<td>THB</td>
</tr>
<tr>
<td>Matriculation fee (Thai students)</td>
<td>9,000</td>
</tr>
<tr>
<td>Matriculation fee (non-Thai students)</td>
<td>21,500</td>
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<tr>
<td>Student’s activities fee</td>
<td>6,000</td>
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<tr>
<th></th>
<th>3 Years (48 Credits)</th>
<th>5 Years (75 Credits)</th>
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<tbody>
<tr>
<td>Tuition Fee (THB 7,000/Credit)</td>
<td>336,000</td>
<td>525,000</td>
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<tr>
<td>University Fee (THB 17,900/Semester)</td>
<td>107,400</td>
<td>179,000</td>
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<tr>
<td>Annual Internet &amp; Access Control Fees (THB 2,400/YEAR)</td>
<td>9,600</td>
<td>12,000</td>
</tr>
<tr>
<td>Annual Health and Life Insurance Fee (Non-Thai Students - THB 5,000/YEAR)</td>
<td>49,500</td>
<td>75,000</td>
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**Note:**
1. Tuition fee doesn’t cover the followings:
   - Admission fee
   - Textbooks
   - Health and life insurance (non-Thai students)
   - AU Academic Writing Course (15,000 THB)
2. The fees are subject to change at the university’s discretion without prior notice.
3. Currency exchange rate: THB 33 = US$ 1

**Faculty of Biotechnology**
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- Email: biotechl@au.edu | www.biotech.au.edu
- Facebook: www.facebook.com/BioA&BC

**www.biotech.au.edu**

**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: August 2017