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.

**DURATION 1-2 YEARS, FULL-TIME**

**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 SCHEDULE 2018**

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Semester I 2019 Batch 26</th>
<th>Semester II 2019 Batch 27</th>
<th>Semester I 2020 Batch 28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline</td>
<td>Now - July 5, 2019</td>
<td>Now - December 6, 2019</td>
<td>Now - July 3, 2020</td>
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<tr>
<td>Entrance Examinations</td>
<td></td>
<td></td>
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<tr>
<td>- Specific Knowledge in Biotechnology</td>
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<td>Modified to: Interview Date: By appointment.</td>
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<td>- Interview Date</td>
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<td>Interview date</td>
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<tr>
<td>English Proficiency test</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Entrance result</td>
<td>July 12, 2019</td>
<td>December 13, 2019</td>
<td>July 10, 2019</td>
</tr>
<tr>
<td>Instruction begins</td>
<td>August 13, 2019</td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>

**ADMISSION & EXAMINATION FEES**

- **Admission Fee**
- **Interview**
- **AU English Proficiency Test**

**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**

- **1st semester**: August-December
- **2nd semester**: 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 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).
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: March 2019

MASTER OF SCIENCE IN FOOD BIOTECHNOLOGY
Faculty of Biotechnology, Assumption University

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

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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
Al 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
Total fee for the 2-year program:

Thai student 352,400 THB (10,679 US$)
Non-Thai student 374,900 THB (11,361 US$)

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)
   - 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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Fax +66-2504553-40 ext 3792
Email biotech@au.edu | www.BioTech.au.edu

www.biotech.au.edu

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