



SIU
INTERNATIONAL
UNIVERSITY



Prospectus

INTERNATIONAL UNDERGRADUATE PROGRAMS

Academic Year 2009-2010





University Council (UC)

1. **Mr. Paron Israsena Na Ayudhaya** **Chairman**
Chairman of the Board of Directors, Thaicom Plc.
2. **Dr. Dumrong Kasemset** **Vice Chairman**
Chairman of Executive Committee, Satellite & International Business, Shin Corporation Plc.
3. **Mr. Bhanapot Damapong** **Member**
Chairman of the Board, Praram 9 Hospital
4. **Prof. Dr. Damrong Khummongkol** **Member**
Professor, School of Technology
5. **Mrs. Doris Gold Wibunsin** **Member**
Advisor, Office of the Education Council
6. **Prof. Dr. Narasri Vaivanijkul** **Member**
Director, Academic Service and Training Center, Chulalongkorn University
7. **Mr. Prasit Tansuwan** **Member**
Advisor on Management
8. **Prof. Dr. Prida Wibulswas** **Member**
Fellow, The Royal Institute of Thailand
Emeritus Professor of Energy Technology, KMUTT
9. **Prof. Dr. Reon Somana** **Member**
Fellow, The Royal Institute of Thailand
10. **Prof. Dr. Somchart Soponronnarit** **Member**
President, Shinawatra University
11. **Ms. Yingluck Shinawatra** **Member**
Chairman of the Executive Committee, SC Asset Group
12. **Assoc. Prof. Dr. Chuvej Chansa-ngavej** **Secretary**
Vice President - Research Management, Shinawatra University

Executive Review Committee (ERC)

1. **Dr. Dumrong Kasemset** **Chairman**
Chairman of the Executive Committee, Satellite & International Business, Shin Corporation Plc.
2. **Prof. Dr. Prida Wibulswas** **Member**
Chairman of Academic Review Committee, Shinawatra University
3. **Prof. Dr. Reon Somana** **Member**
Chairman of Audit Committee, Shinawatra University
4. **Prof. Dr. Somchart Soponronnarit** **Member**
President, Shinawatra University
5. **Ms. Yingluck Shinawatra** **Member**
Chairman of the Executive Committee, SC Asset Group
6. **Asst. Prof. Dr. Byaporn na Nagara** **Member**
Vice President, Central Administration, Shinawatra University

Executive Committee (EC)

- | | |
|-------------------------------------------------|------------------------------------|
| Prof. Dr. Prida Wibulswas | Executive Committee Advisor |
| 1. Prof. Dr. Somchart Soponronnarit | Chairman |
| 2. Asst. Prof. Dr. Apichat Praditsmanont | Member |
| 3. Assoc. Prof. Dr. Chuvej Chansa-ngavej | Member |
| 4. Asst. Prof. Dr. Prinya Tantaswadi | Member |
| 5. Assoc. Prof. Dr. Supachok Wiriyacosol | Member |
| 6. Asst. Prof. Dr. Byaporn na Nagara | Member and Secretary |

Academic Review Committee (ARC)

- | | |
|------------------------------------------|----------------------------------|
| Prof. Dr. Somchart Soponronnarit | Advisor |
| 1. Prof. Dr. Prida Wibulswas* | Member |
| 2. Prof. Dr. Damrong Khummongkol | Member |
| 3. Prof. Decha Boonkham* | Member |
| 4. Mrs. Doris Gold Wibunsin | Member |
| 5. Prof. Dr. Narasri Vaivanijkul* | Member |
| 6. Prof. Dr. Roen Somana* | Member |
| 7. Prof. Dr. Vilas Wuwongse* | Member |
| 8. Prof. Dr. Vutthi Bhanthumnavin | Member and ARAC Secretary |
| 9. Provost, Shinawatra University | Member and ARAC Secretary |

*Also Members of Academic Rank Assessment (ARAC)

Academic Committee (AC)

- | | |
|-------------------------------------------------|------------------------------------|
| Prof. Dr. Prida Wibulswas | Executive Committee Advisor |
| 1. Prof. Dr. Somchart Soponronnarit | Chairman |
| 2. Asst. Prof. Dr. Apichat Praditsmanont | Member |
| 3. Asst. Prof. Dr. Chutiporn Anutariya | Member |
| 4. Assoc. Prof. Dr. Kantatip Sinhaneti | Member |
| 5. Asst. Prof. Dr. Prinya Tantaswadi | Member |
| 6. Assoc. Prof. Dr. Somchai Ratanakomut | Member |
| 7. Assoc. Prof. Dr. Supachok Wiriyacosol | Member |
| 8. Ms. Tanarat Teeratanakiat | Member |
| 9. Prof. Dr. Vutthi Bhanthumnavin | Member |
| 10. Ms. Anothai Aueworakhunanan | Secretary |
| 11. Ms. Tantakan Klongkankian | Assistant Secretary |

Academic Calendar 2009 – 2010

| Activities | Semester 1 | Semester 2 | Summer Session |
|------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|
| Payment of Educational Support Fee (for new students) | 12 Jun 2009 | 30 Oct 2009 | 19 Mar 2010 |
| Orientation (for new students) | 12 Jun 2009 | 30 Oct 2009 | 19 Mar 2010 |
| Meet with study advisor | 11 May – 12 Jun 2009 | 14 Sep – 30 Oct 2009 | 15 Feb – 19 Mar 2010 |
| Regular registration period | 11 May – 12 Jun 2009 | 14 Sep – 30 Oct 2009 | 15 Feb – 19 Mar 2010 |
| Regular payment of fees period | 11 May – 14 Jun 2009 | 14 Sep – 30 Oct 2009 | 15 Feb – 19 Mar 2010 |
| Class commences | 15 Jun 2009 | 2 Nov 2009 | 22 Mar 2010 |
| Late registration period (subject to late fee 100 baht/day) ⁽¹⁾ | 15 – 26 Jun 2009 | 2 – 13 Nov 2009 | 22 – 26 Mar 2010 |
| Late payment of fees period | 15 – 26 Jun 2009 | 2 – 13 Nov 2009 | 22 – 26 Mar 2010 |
| Last day for registration change (refundable) | 26 Jun 2009 | 13 Nov 2009 | 26 Mar 2010 |
| Last day for subject withdrawal without 'W' being recorded (approval from advisor) | 26 Jun 2009 | 13 Nov 2009 | 26 Mar 2010 |
| Last day for request to retain or gain back student status | 14 Jul 2009 | 1 Dec 2009 | - |
| Midterm examination period | 3 – 7 Aug 2009 | 14 – 18 Dec 2009 | (2) |
| Graduate Preparation day | 2 Sep 2009 | 3 Feb 2010 | 12 May 2010 |
| Announcement of courses offered for the next semester | 14 Sep 2009 | 15 Feb 2010 | 17 May 2010 |
| Last day for subject withdrawal with 'W' being recorded (approval from advisor) | 11 Sep 2009 | 5 Feb 2010 | 14 May 2010 |
| Last day of classes | 30 Sep 2009 | 24 Feb 2010 | 21 May 2010 |
| Final examination period | 1 – 9 Oct 2009 | 25 Feb – 5 Mar 2010 | 19 – 21 May 2010 |
| Last day of semester | 9 Oct 2009 | 5 Mar 2010 | 21 May 2010 |
| Last day for submitting grades to RE | 15 Oct 2009 | 11 Mar 2010 | 31 May 2010 |
| Grade report displayed on-line | 16 Oct 2009 | 12 Mar 2010 | 1 Jun 2010 |
| Last day for graduation application | 30 Oct 2009 | 5 Mar 2010 | 27 May 2010 |
| Last day for pre-registration for next semester | 30 Oct 2009 | 19 May 2010 | 20 May 2010 |
| Graduation Ceremony | 24 Jul 2009 | - | - |

Remarks:

- (1) Not applicable for new students
 (2) To be decided by course lecturer



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An Introduction to SIU

Vision

Shinawatra University, SIU, aims to be a leading international university, with an emphasis on research, striving for excellence in learning and teaching, innovation, leadership, management, entrepreneurship, outreach and service with the highest ethical standards and social responsibilities.

Missions

1. To provide multidisciplinary, interdisciplinary, and professional programs at the undergraduate and graduate levels to meet life-long learning needs.
2. To undertake pure and applied research, and creative endeavors which are consistent with the standards of academic excellence and management achievements.
3. To offer academic assistance for public services, economic development, and to offer technical-assistance activities designed to address the strategic needs of Thailand.
4. To provide comprehensive professional and management development programs and continuing education.
5. To strengthen the private sector through cooperative programs, research, collaboration, and services.

Past Chairpersons of SIU Council

| | |
|-----------|---------------------------------|
| 2000-2001 | Mr. Paron Isarasena Na Ayudhaya |
| 2001-2004 | Dr. Olarn Chairpravat |
| 2004-2005 | Dr. Thanong Bidaya (Acting) |
| 2005-2008 | Prof. Dr. Surin Setamanit |

Past Presidents

| | | |
|-----------|-------------------------------|------------------|
| 1999-2000 | Prof. Dr. Purachai Piumsombun | President |
| 2000-2002 | Dr. Sangsan Panich | Acting President |
| 2002-2003 | Dr. Wittaya Manawanitcharoen | Acting President |
| 2003-2004 | Dr. Thanong Bidaya | Acting President |
| 2004-2008 | Prof. Dr. Prida Wibulswas | President |

Brief Historical Development

- 1996** The idea of establishing a private university to support development in Thailand and in the region was initiated by Dr. Thaksin Shinawatra and associates.
- 1999** The Ministry of University Affairs granted a license for setting up Shinawatra University (SIU).
- 2000** The first meeting of Shinawatra University Council (SIUC) was held on May 19.
- 2001** A Master's degree program in Business Administration and bachelor's degree programs in Built Environment, Business administration and Computer Science were approved by the SIUC.

- 2002** Teaching at SIU first commenced in September with bachelor's degree programs in Built Environment, Computer Science, Business Administration and a master's degree program in Business Administration.
- 2004** Floors 15 & 16 of Shinawatra Tower III Building were approved by the SIUC for SIU's graduate operations. Master's degree programs in Information Technology, Management Technology, Systems Engineering and in Management were approved by the SIUC.
- 2005** Bachelor's degree programs in Architectural Technology and Management Technology, along with a doctoral degree in Technology and in Management, were approved by the SIUC.
- 2006** Graduation ceremony was held for the first batches of bachelors of business administration, computer science, telecommunications engineering and masters of science in information and management technology.
- 2007** The first batch of Master of Engineering in Systems Engineering and Bachelor of Science in Architectural Technology graduated.

Location of Shinawatra University

Operations of Shinawatra University are carried out at two locations:

1. **The Main Campus** is located at 99 Moo 10, Bangtoey, Samkhok, Pathum Thani 12160, about 50 kilometers from downtown Bangkok.
2. **The Graduate Building** is located in Bangkok, on the 15th and 16th Floors, Shinawatra Tower III Building, 1010 Viphavadi - Rangsit Road, Chatuchak, Bangkok 10900.

Facilities

Computer

Recognizing information technology as a cutting edge tool in management, good Internet and network connections are essential for a high quality management study environment. Shinawatra University undergraduate campus is well equipped with infrastructure supporting current information technology. The campus has a high speed network, for internal communications, and Internet connections for external communications. Students and faculty may access from fixed work stations or by wireless connection from anywhere on campus.

The university Internet connection to the outside world is at a speed of 2 Mbps. Every student is provided with an Internet account, including e-mail with a storage capacity of 100 MB.

In addition, a computer laboratory with 30 standard PCs is provided for general use. The laboratory is well wired at a speed of 100 Mbps. Additional peripherals are added depending upon requirements. A dial-up speed of 56.6 Kbps is available to all students with dial-in capability. Student accounts with passwords are set up upon completion of registration.

Library

Shinawatra University Library provides information resources and services to support teaching, learning, research, and edutainment. The Library is a learning center of educational media. It is also where a chronicle of the development of Shinawatra University is kept.

The Shinawatra University Library uses the Library of Congress Classification System (L.C.) to organize the Library's collection. It has an automated library search system to support users through the Internet networks. This online service enables users to access many of the library's resources.

The undergraduate library at the Pathumthani Campus, Shinawatra University, houses over 10,000 of the most current books and magazines from around the world. In addition to hard copies of the 24 top business, management and technology journals, including 11 computer science journals, each student has access to online databases covering current and back issues of over 1,500 journals. The on-site library is open 12 hours a day, 6 days a week. The online catalog and reference databases are accessible 24 hours a day over the Internet.

More details and up-to-date information on all library services can be found on the Library's website at <http://library.shinawatra.ac.th>



Dormitories

First-year students are required to stay in the dormitories. Air-conditioned dormitories are available on Pathumthani campus during the regular semesters and summer sessions. SIU provides separate facilities for men and women. Computer network connections, telephone lines, a refrigerator and hot/cold water system are available in each room. On each floor, students have access to a common room with TV. A kitchen and a laundry rooms are also available.

Each resident will receive 3 keys; room, desk and wardrobe. The students will use their identification cards to access to the dormitory.

Accident Insurance

Accident insurance is provided for all full-time students upon enrollment. For further information, please contact the Office of Student Affairs. International students must have full health insurance coverage.

Student Activities

SIU promotes and facilitates students' participation in a variety of activities, which help them in building better career opportunities. Activities are usually organized through the Student Clubs, where executives are elected by a majority of votes. The clubs organize and manage various student activities that focus on academic affairs, cultural promotion, social development and sports. The University partially subsidizes funds on student activities.

Convenience Store

A convenience store on the 3rd floor of the main building is open every day from 8:00 a.m. to 8:00 p.m. during weekdays and 8:00 a.m. to 6:00 p.m. during weekends.

Cafeteria

The cafeteria is located next to the sky link. A variety of food is offered at reasonable prices. The cafeteria is open from 11:00 a.m. till 8:00 p.m.

Parking

Parking is available at dormitories on the main campus. Driver licenses are required for students to bring their cars to the main campus.



Admissions

Requirements

1. M.6 certificate or equivalent high school certificate from accredited institution (12 years of schooling).
2. For non-native English speakers, working knowledge of English as evidenced by standard test scores.
3. Satisfactory marks in certain subjects, e.g. Mathematics, English from M6 high school, National Entrance Examination, or Shinawatra University Placement Test. Students receiving low test scores may be recommended to take a Pre-session course.

Admission Package

1. A completed application form
2. Letter of Reference : Student Ranking Certificate
3. A Certified copy of high school transcript
4. A photocopy of house registration
5. A photocopy of identification card or passport
6. Two (2) 1-inch, color photos taken not more than 6 months prior to application
7. Proof of English language competency, i.e. TOEFL, IELTS, CU-TEP, TU-GET, TOEIC (if any)

Scholarships and Government Loans

Full Scholarships: Subjected to an approval from SIU
100% Undergraduate Admission & Scholarship Committee (UASC)

- A minimum GPAX of 3.00
- Ranking in Top 20% of High School Program
- Ranking in Top 10% in both Mathematics and English

Partial Scholarships:

1. **Awarded by Shinawatra University automatically without any conditions based on high school performance.**

75%

- Ranking in Top 25% \pm 2% of High School Program
- Ranking in Top 10% in either Mathematics or English
- University Preparation Program is required, and must maintain a minimum GPA of 2.75 in the first two semesters.
- After completion of the above points, students are entitled for the continuing scholarships.
- In case of incompleteness of either one of conditions of the above points, the university reserves the right to reduce the scholarships.

50%

- Ranking in Top 50% \pm 5% of High School Program
- University Preparation Program is required, and must maintain a minimum GPA of 2.75 in the first two semesters.
- After completion of the above points, students are entitled for the continuing scholarships.
- In case of incompleteness of either one of conditions of the above points, the university reserves the right to reduce the scholarships.

25%

- Ranking in Top 50% \pm 5% of High School Program
- University Preparation Program is required.

Early Bird Registration

- Just pay for tuition and educational support fees one year in advance, get 25% tuition fee waiver.
- For non-scholarship applicants only.

2. Awarded based on the submissions of the O-NET (Mathematics and English) scores and an approval from UASC

Government Loan Programs

The Commission on Higher Education has arranged loan programs for local students to pay for their study, fees and personal expenses. Those who are interested can contact the Office of Student Affairs for more information.

Application

- Apply in person

- Submit your completed application form with all the required documents and a placement fee of 1,000 Baht to the Admissions Division.

- Apply by mail

- Submit the completed application form with required documents and placement fee to the Admissions Division.
- Provide a placement fee of Baht 1,000 by cashier's check, bank draft, or post check payable to "Shinawatra University". A post check should be made payable at Lad Lumkaew Post Office 12140.

- Apply via the Internet

- Go to http://reg.shinawatra.ac.th/registrar/application_form.asp and complete the on-line application.
- Print and submit a copy of the completed on-line application form together with required documents by mail to the Admissions Division.

Note: *The application process will only be completed once SIU receives all materials - the application form, required documents and placement fee.*

Tuition and Education Support Fees

All Undergraduate Programs

| | | |
|-----------------------------------------------|------|--------|
| Student registration fee (for first entry) | Baht | 1,500 |
| Damage insurance (refundable) | Baht | 10,000 |
| Educational support fee/Semester | Baht | 19,000 |
| Tuition Fee / Credit | Baht | 4,000 |

Other Fees

| | | |
|-------------------------------------|------|-------------------|
| Dormitory (per semester) | Baht | 12,000 (triple) |
| | Baht | 18,000 (double) |
| | Baht | 36,000 (single) |
| Status maintenance (drop case only) | Baht | 1,000 |
| Educational support fee | Baht | 9,500 (9 credits) |
| (Summer session) | Baht | 6,000 (6 credits) |
| Late registration fee (per day) | Baht | 100 |
| Program change fee | Baht | 500 |
| Graduate matriculation fee | Baht | 1,000 |
| Post-orientation fee | Baht | 1,000 |
| Reentry fee | Baht | 1,000 |
| Certificate fee | Baht | 500 |
| Retention fee | Baht | 1,000/semester |

Methods of Payment

Alternative 1:

Bank Transfer with the specified amount (in Thai Baht) to **Bangkok Bank**,

Savings account, **Soi Aree Branch**,
Account Name: **Shinawatra University**,
Account Number: **127-4-18396-9**.

Please fax a copy of the pay-in slip with your full name to Fax Number 02-599-3351 for a receipt.

Alternative 2:

Pay by cash, cashier's check, bank draft or credit card (**VISA, MASTER CARD, JCB**) at the Office of Finance and Accounts, 1st Floor, Main Building.

International Student Guides

Documentation

SIU advises international students to have all the necessary documents ready for immigration and enrolment purposes. When you arrive in Thailand you may be interviewed by immigration and health officials and we recommend that you keep the following documentation in your hand luggage:

- A valid passport
- Your visa and/or other entry clearance documents, if required
- Travel documents
- Health insurance, if any, from your country
- A letter of acceptance from Shinawatra University
- Enough cash for the first few days

Make sure that all the documents you have are consistent with one another. For example, some students may wish to be known by a "western" name or a nickname. If, however, documents from the University carry your "western" name or nickname, while your passport and visa carry your full name, this could cause problems and delays at the Immigration as the officers there will need to establish that both names actually refer to the same person!

Please note that once you are in Thailand you can not travel out of the country, unless you have received the permission to extend your stay in Thailand from the Commission on Higher Education of Thailand. Otherwise, your student visa will be invalid immediately. As soon as you arrive at the University, please contact the Admissions Division for other related matters.

Health Insurance

Students are strongly advised to purchase personal health insurance, either from your own country or from a company coordinated by Shinawatra University. If you have one from your own country, please submit a copy, showing coverage, to the Office of Student Affairs on arrival date.

Arrival

Please inform the Admissions Division of your flight details, so that we can arrange transportation and staff to pick you up at the airport.

Credits Transfer Guideline

General Guidelines

The University accepts transfer students provided that they are in good standing with the last institution attended and they meet the admission standards. The maximum number of transferred credits depends on the requirements of the specific program. To ensure proper processing of applications for admission, each candidate must request each College or University previously attended for an official transcript and forward it to Office of the Registrar.

The request for transfer of credits will be considered by the Program Chairperson / Director and two faculty members and then recommend for approval by the School Dean under the following conditions:

- The course to be transferred was completed at any institution accredited by SIU.
- The course content covers at least three quarters of that specified in the University's curriculum.
- Only the courses with an earned grade "C" or better from English programs or "C+" or better from a non-English programs with the TOEFL score of 500 or better, or equivalent, will be accepted for transfer.

- The total transferred credits shall not exceed three quarters of the total credits required for the university degrees.
- The transfer student must study at SIU for at least one year before graduation.

To expedite the processing of transfer credits request, one copy of each previous tertiary institution's educational catalogue should be brought with the applicant.

Calculation of Cumulative Grade Point Average for Transfer Students

- The transferred credits together with the achieved grades for SIU's program change case will be included in the transcript and calculation of GPA.
- The transferred credits from other institutions or re-entry cases will not be included in the calculation of GPA.

Pre-Sessional Courses

- Foundation English
- Basic Mathematics
- Introduction to Computer

School of Management

Bachelor of Business Administration Program

Curricular Title

Bachelor of Business Administration
บริหารธุรกิจบัณฑิต

Degree Title

Bachelor of Business Administration

Abbreviation

BBA
บธ. บ.

Curricular Philosophy and Goals

The Bachelor of Business Administration (BBA) Program aims to cultivate young men and women with the qualifications, maturity, attitude, and skills to assume key roles in the sustainable development of the global economy. The BBA Program prepares future managers with knowledge and skills to succeed in technology-intensive industries operating in both Thai and international contexts. The BBA curriculum at Shinawatra University (SIU) emphasizes not only the concepts and business knowledge of management, but also a solid grounding in the communication skills, quantitative decision-making skills, and knowledge of humanities, social sciences, and science and technology to enable them to understand businesses in the historical, societal, and cultural contexts. The BBA Program goes beyond the traditional undergraduate curriculum to develop key business skills in practical research and life-long learning, allowing them to immediately contribute to business performance upon graduation.

Curriculum Structure and Components

The students must complete a minimum requirement of 137 credits to graduate. The curriculum is divided into general education courses, business administration core courses, professional option courses, and free elective courses. Two professional options are offered:

- Option I Management
- Option II International Business

| | | |
|------------------------------------------------|------------|----------------|
| 1. General Education Courses | 41 | credits |
| 1.1 Humanities and Social Sciences | 17 | credits |
| 1.2 English Language | 12 | credits |
| 1.3 Basic Courses in Science and Mathematics | 12 | credits |
| 2. Business Administration Core Courses | 45 | credits |
| 3. Professional Option Courses | 45 | credits |
| 3.1 Professional Required Courses | 30 | credits |
| 3.2 Professional Elective Courses | 15 | credits |
| 4. Free Elective Courses | 6 | credits |
| Total | 137 | credits |

3.2.2 Professional Elective Courses **15 credits**

(Students choose five courses from the following list.)

| | | |
|---------|-----------------------------------------------------|--------|
| CS 3004 | Computer Models for Business Decisions | 3(2-3) |
| MG 2201 | Macroeconomics | 3(3-1) |
| MG 2202 | Monetary Theory and Policy | 3(3-1) |
| MG 2302 | Business Decision Analysis | 3(3-1) |
| MG 3102 | Business Development Study | 3(3-1) |
| MG 3104 | Finance and Accounting for Entrepreneurs | 3(3-1) |
| MG 3105 | Entrepreneurial Leadership | 3(3-1) |
| MG 3107 | Financial Investment | 3(3-1) |
| MG 3301 | Project Management | 3(3-1) |
| MG 3302 | Profit Planning and Control | 3(3-1) |
| MG 3401 | Employment Procedure and Evaluation | 3(3-1) |
| MG 3501 | Management Information Systems | 3(3-1) |
| MG 3502 | Marketing and Electronic Commerce for Entrepreneurs | 3(3-1) |
| MG 4301 | Business Senior Project | 3(0-9) |

4. Free Elective Courses **6 credits**

Students can freely select any graded course offered by any academic unit of the university to satisfy 6 credits of free elective requirement.

Dean: Assoc. Prof. Dr. Supachok Wiriyacosol
Tel: +66(0) 2599 0000 ext. 1260
E-mail: supachok@shinawatra.ac.th

Administrative Officer: Ms. Suteera Tansamai
Tel: +66(0) 2599 0000 ext. 1254
E-mail: suteera@shinawatra.ac.th

School of Technology

Bachelor of Science Program in Computer Science

Curricular Title

Bachelor of Science Program in Computer Science
วิทยาศาสตร์ระดับบัณฑิต สาขาวิชาวิทยาการคอมพิวเตอร์

Degree Title

Bachelor of Science (Computer Science)
วิทยาศาสตร์ระดับบัณฑิต (วิทยาการคอมพิวเตอร์)

Abbreviation

BSc (Computer Science)
วท.บ. (วิทยาการคอมพิวเตอร์)

Curricular Philosophy and Goals

Computer science is a discipline pertaining to the research and development of computing and information systems. Computer science graduates are instrumental to the advancement of the field of computer science by contributing to the design, implementation, and maintenance of computing systems as well as the development of new algorithms, languages, and other tools necessary to serve the computing needs of both local and international communities.

The goal of this program is to produce computer science graduates who will eventually become leaders in the creation and implementation of new techniques and products in the fields of computer and information technology. This requires that the students possess fundamental knowledge, technical breadth, and communication skills as well as leadership quality, professionalism, ethics, and moral standards. With all of these qualities, the graduates will be able to assume professional and societal responsibilities that are conducive towards the well being and advancement of both local and international communities.

Curriculum Structure and Components

The students must complete a minimum requirement of 143 credits to graduate. The curriculum is divided into four areas of specialization, i.e.

- Option 1: Computer Science
- Option 2: Software Engineering
- Option 3: Communication and Information Systems
- Option 4: Businesses Informatics

| | |
|-----------------------------------------------|--------------------|
| 1. General Education Courses | 53 credits |
| 1.1 Humanities and Social Sciences | 20 credits |
| 1.2 English Language | 9 credits |
| 1.3 Basics Courses in Science and Mathematics | 24 credits |
| 2. Computer Science Courses | 84 credits |
| 2.1 Compulsory Core Courses | 54 credits |
| 2.2 Specialized Courses | 24 credits |
| 2.3 Specialized Electives | 6 credits |
| 3. Free Electives | 6 credits |
| Total | 143 credits |

1. General Education Courses 53 credits**1.1 Humanities and Social Sciences 20 credits**

| | | |
|---------|-----------------------------------------|--------|
| GE 1101 | Principles of Economics | 3(3-1) |
| GE 1102 | Law and Society | 3(3-1) |
| GE 1103 | Management in Action | 3(2-3) |
| GE 1108 | Sports | 1(0-3) |
| GE 1109 | Music Appreciation | 1(1-1) |
| GE 1112 | Humanities, an Integrated Approach | 3(3-1) |
| GE 1113 | Social Sciences, an Integrated Approach | 3(3-1) |
| GE 1114 | Thai studies | 3(3-1) |
| | or | |
| GE 1116 | Greater Mekong Sub-region Studies | 3(3-1) |

1.2 English Language 9 credits

| | | |
|---------|-------------------------|--------|
| GE 1003 | Freshman Composition I | 3(3-0) |
| GE 1004 | Freshman Composition II | 3(3-0) |
| GE 3003 | Technical Writing | 3(3-0) |

1.3 Basic Courses in Science and Mathematics 24 credits

| | | |
|---------|-----------------------------------------------|--------|
| GE 1205 | Physical Science | 3(3-1) |
| GE 1206 | Biological Science | 3(3-1) |
| GE 1207 | Integrated Approach to Science and Technology | 3(3-1) |
| GE 1208 | Environmental Studies | 3(3-1) |
| GE 1304 | Calculus I | 3(3-1) |
| GE 1305 | Calculus II | 3(3-1) |
| GE 1306 | Introduction to Statistics | 3(2-3) |
| GE 1307 | Project Methods | 3(2-3) |

2. Computer Science Courses 84 credits

Professional Computer science courses are divided into compulsory core courses, specialized courses, and specialized electives.

2.1 Compulsory Core Courses 54 credits

| | | |
|---------|----------------------------------------------|--------|
| CS 1001 | Programming Fundamentals | 3(3-0) |
| CS 1031 | Programming Fundamentals Laboratory | 1(0-3) |
| CS 1002 | Object-Oriented Programming Paradigm | 3(2-3) |
| CS 1003 | Data Structures and Algorithms | 3(3-0) |
| CS 1105 | Discrete Mathematics for Computer Science | 3(3-0) |
| CS 1300 | Internet and the World Wide Web Technologies | 3(2-3) |
| CS 2001 | Linear Algebra | 3(3-0) |
| CS 2200 | Computer Architecture | 3(3-0) |
| CS 2231 | Computer Architecture Laboratory | 1(0-3) |
| CS 2205 | Operating Systems | 3(3-0) |
| CS 2232 | Operating Systems Laboratory | 1(0-3) |
| CS 2300 | Data Communication and Networking | 3(3-0) |
| CS 2331 | Data Communication and Networking Laboratory | 1(0-3) |
| CS 2505 | Computer Graphics and Multimedia | 3(3-0) |
| CS 2700 | Databases | 3(3-0) |
| CS 3000 | Object-Oriented Software Development | 3(2-3) |

| | | |
|---------|------------------------------------------------------|---------|
| CS 3300 | Service-Oriented Architecture | 3(2-3) |
| CS 3801 | Information Technology Laws, Regulations, and Ethics | 3(3-0) |
| CS 4920 | Summer Internship | 1(0-40) |
| CS 4921 | Computer Science Project I | 1(0-3) |
| CS 4922 | Computer Science Project II | 3(0-9) |
| SE 3901 | Software Engineering | 3(3-0) |

2.2 Specialized Courses 24 credits**2.2.1 Option 1 (Computer Science):**

Students in this option may select any combination of the following specialized courses and/or specialized courses in other options with an approval of each student's advisor to fulfill the requirement of 24 credits.

| | | |
|---------|---------------------------------------|--------|
| CS 2106 | Theory of Computation | 3(3-0) |
| CS 2401 | Theory of Programming Languages | 3(3-0) |
| CS 2402 | Programming Languages Translation | 3(3-0) |
| CS 2600 | Artificial Intelligence | 3(3-0) |
| CS 3103 | Security and Cryptography | 3(3-0) |
| CS 3803 | Special Topics in Computer Science I | 3(3-0) |
| CS 3804 | Special Topics in Computer Science II | 3(3-0) |

2.2.2 Option 2 (Software Engineering):

| | | |
|---------|------------------------------------------------------|--------|
| CS 3708 | Decision Support Systems | 3(3-0) |
| SE 3902 | Software Project Management | 3(3-0) |
| SE 3903 | Software Validation and Verification | 3(3-0) |
| SE 3904 | Software Requirements Specification and Management | 3(3-0) |
| SE 3905 | Software Process and Quality Assurance | 3(3-0) |
| SE 3906 | Software Architecture | 3(3-0) |
| | or | |
| SE 3910 | Software Design | 3(3-0) |
| SE 3907 | Object-Oriented System Analysis and Design | 3(3-0) |
| | or | |
| SE 3911 | Human Factors Engineering | 3(3-0) |
| CS 2707 | Electronics Commerce and Trading Information Systems | 3(3-0) |
| | or | |
| SE 3912 | Software Engineering Systems and Applications | 3(3-0) |

2.2.3 Option 3 (Communication and Information Systems):

| | | |
|---------|-----------------------------------------------------|--------|
| CS 2707 | Electronic Commerce and Trading Information Systems | 3(3-0) |
| CS 3700 | Introduction to Bioinformatics | 3(3-0) |
| TE 2004 | Signals and Systems | 3(3-0) |
| TE 2207 | Electronic Circuits and Measurements | 3(2-3) |
| TE 3106 | Communication Systems | 3(2-3) |
| TE 3205 | Digital Signal Processing | 3(3-0) |
| TE 3208 | Embedded Platforms | 3(2-3) |
| TE 3209 | Data Acquisition Systems and Instrumentation | 3(2-3) |

2.2.4 Option 4 (Business Informatics):

| | | |
|---------|-----------------------------------------------------|--------|
| MG 1004 | Principles of Accounting I | 3(3-1) |
| MG 2002 | Business Finance | 3(3-1) |
| MG 3303 | Logistics and Supply Chain Management | 3(3-1) |
| CS 2707 | Electronic Commerce and Trading Information Systems | 3(3-0) |
| CS 3500 | Multimedia Systems | 3(2-3) |
| CS 3700 | Introduction to Bioinformatics | 3(3-0) |
| CS 3708 | Decision Support Systems | 3(3-0) |
| SE 3704 | Data Mining and Warehousing | 3(3-0) |

2.3 Specialized Electives 6 credits

Students can freely select any relevant courses with the approval of each student's advisor.

3. Free Electives

6 credits

Students can freely select any graded courses offered by any academic unit within the university to satisfy 6 credits of free elective requirement.

Bachelor of Science Program in Management Technology

Curricular Title

Bachelor of Science Program in Management Technology
 วิทยาศาสตร์บัณฑิต สาขาวิชาเทคโนโลยีการจัดการ

Degree Title

Bachelor of Science (Management Technology)
 วิทยาศาสตร์บัณฑิต (เทคโนโลยีการจัดการ)

Abbreviation

BSc (Management Technology)
 บ.บ. (เทคโนโลยีการจัดการ)

Curricular Philosophy and Goals

Management Technology is an integrated understanding of economics, environment, information system, science and engineering. The Management Technology program is designed to produce high-quality graduates equipped with such an interdisciplinary subject and capable of managing advanced technologies emerging dynamically in various industrial and commercial fields. The graduates will have abilities to analyse and design systems which integrate technical, economical, environmental and social aspects for all kinds of transactions and activities.

Highly demanded areas of specialization are offered for selection as a specialized option, which will lead to variety of professional opportunities in manufacturing industry, building and construction industry, all private and public service industries, property and estate development businesses, as well as financial sectors dealing with investments of projects requiring modern technologies.

Curriculum Structure and Components

The students must complete a minimum requirement of 147 credits to graduate. The curriculum is divided into general education courses, management technology core courses and four areas of specialized options, i.e.,

- Option 1: Architectural Technology Management
- Option 2: Engineering Management
- Option 3: Food and Biotechnology Management
- Option 4: Management Information Systems

| | | |
|----------------------------------------------|------------|----------------|
| 1. General Education Courses | 47 | credits |
| 1.1 Humanities and Social Sciences | 20 | credits |
| 1.2 English Language | 6 | credits |
| 1.3 Basic Courses in Science and Mathematics | 21 | credits |
| 2. Management Technology Core Courses | 94 | credits |
| 2.1 Common Courses | 49 | credits |
| 2.2 Specialized Options | 39 | credits |
| 2.3 Specialized Electives | 6 | credits |
| 3. Free Electives | 6 | credits |
| Total | 147 | credits |

1. General Education Courses 47 credits**1.1 Humanities and Social Sciences 20 credits**

| | | |
|-----------|-----------------------------------------|--------|
| GE 1101 | Principles of Economics | 3(3-1) |
| GE 1102 | Law and Society | 3(3-1) |
| GE 1103 | Management in Action | 3(2-3) |
| GE 1108 | Sports | 1(0-3) |
| GE 1109 | Music Appreciation | 1(1-1) |
| GE 1112 | Humanities, an Integrated Approach | 3(3-0) |
| GE 1113 | Social Sciences, an Integrated Approach | 3(3-0) |
| GE 1114 | Thai Studies | 3(3-0) |
| or | | |
| GE 1116 | Greater Mekong Sub-region Studies | 3(3-1) |

1.2 English Language 6 credits

| | | |
|---------|-------------------------|--------|
| GE 1003 | Freshman Composition I | 3(3-0) |
| GE 1004 | Freshman Composition II | 3(3-0) |

1.3 Basic Courses in Science and Mathematics 21 credits

| | | |
|-----------|-----------------------------------------------|--------|
| GE 1205 | Physical Science | 3(3-1) |
| GE 1206 | Biological Science | 3(3-1) |
| GE 1207 | Integrated Approach to Science and Technology | 3(3-1) |
| GE 1208 | Environmental Studies | 3(3-1) |
| GE 1304 | Calculus I | 3(3-1) |
| or | | |
| GE 1310 | Basic Calculus * | 3(3-1) |
| GE 1305 | Calculus II | 3(3-1) |
| or | | |
| MG 1007 | Management Calculus * | 3(3-1) |
| GE 1306 | Introduction to Statistics | 3(3-1) |

Remarks:

* For Architectural Technology Management and Food and Biotechnology Management options only

2. Management Technology 94 credits
Core Courses**2.1 Common Courses 49 credits**

| | | |
|---------|----------------------------------------------|---------|
| BE 1001 | Fine Arts and Science Integration | 3(2-3) |
| BE 4703 | Computer Graphics and Multimedia | 3(3-0) |
| BE 4901 | Introduction to Environmental Urban Planning | 3(3-0) |
| BE 4912 | Environmental Impact Assessment | 3(3-0) |
| MT 2001 | Basic Electrical Engineering | 3(3-0) |
| MT 2002 | Materials Science | 3(3-0) |
| MT 3004 | Engineering Economy | 3(3-0) |
| MT 3005 | Thermo Fluids | 3(3-0) |
| MT 3501 | Social Aspects of Environment Management | 3(3-0) |
| MT 4004 | Management Technology Training | 1(0-40) |
| MT 4005 | Senior Project | 3(0-9) |
| GE 3002 | Technical Writing | 3(3-0) |
| CS 1009 | Computer Programming | 3(2-3) |

| | | |
|---------|----------------------------|--------|
| MG 1004 | Principles of Accounting I | 3(2-3) |
| MG 2001 | Principles of Marketing | 3(3-0) |
| MG 2002 | Business Finances | 3(2-3) |
| MG 3001 | Strategic Management | 3(3-0) |

2.2 Specialized Options 39 credits**2.2.1 Option 1: Architectural Technology Management**

| | | |
|---------|-----------------------------------------------------|--------|
| BE 2001 | Architectural Theory and Philosophy I | 3(3-0) |
| BE 2101 | Architectural and Environmental Design I | 3(1-6) |
| BE 2102 | Architectural and Environmental Design II | 3(1-6) |
| BE 2301 | Structures I | 3(3-0) |
| BE 2303 | Building Materials and Construction I | 3(2-3) |
| BE 2601 | Building Systems and Integration I | 3(3-0) |
| BE 3103 | Architectural and Environmental Design III | 3(1-6) |
| BE 3104 | Architectural and Environmental Design IV | 3(1-6) |
| BE 3602 | Building Systems and Integration II | 3(3-0) |
| BE 4105 | Integrated Architectural and Environmental Design I | 3(1-6) |
| BE 4201 | Energy and Environmental Technology I | 3(2-3) |
| BE 4202 | Energy and Environmental Technology II | 3(2-3) |
| BE 4701 | Building Energy and Cost Estimation | 3(3-0) |

2.2.2 Option 2: Engineering Management

| | | |
|---------|------------------------------------------------------|--------|
| MT 3304 | Operations Research | 3(3-0) |
| MT 3307 | Logistics and Supply Chain Management | 3(3-0) |
| MT 3502 | Pollution Prevention | 3(3-0) |
| MT 4003 | Project Feasibility Study | 3(3-0) |
| MG 2004 | Human Resource Management | 3(3-1) |
| MG 2005 | Business Information Technology | 3(3-1) |
| MG 2006 | Production and Operations Management | 3(3-1) |
| MG 2101 | SME Management | 3(3-1) |
| MG 2301 | Quantitative Analysis Techniques for Business | 3(3-1) |
| MG 3301 | Project Management | 3(3-1) |
| MG 3501 | Management Information Systems | 3(3-1) |
| CS 3004 | Computer Models for Business Decisions | 3(2-3) |
| CS 3801 | Information Technology Laws, Regulations, and Ethics | 3(3-0) |

2.2.3 Option 3: Food and Biotechnology Management

| | | |
|---------|-------------------------------------------------------|--------|
| MT 1601 | Introduction to Biotechnology | 3(3-0) |
| MT 1602 | General Food Science | 3(3-0) |
| MT 1603 | Biochemistry | 3(3-0) |
| MT 1604 | Human Nutrition | 3(3-0) |
| MT 2602 | Health Food and Herbal Medicine | 3(3-0) |
| MT 2603 | Food Choice: Psychology, Preference and Acceptability | 3(3-0) |
| MT 2604 | Food Preservation: Principles and Applications | 3(3-0) |

| | | |
|---------|------------------------------------|--------|
| MT 2605 | Sensory Evaluation of Foods | 3(3-0) |
| MT 2606 | Food Safety and Quality Management | 3(3-0) |
| MT 3502 | Pollution Prevention | 3(3-0) |
| MT 3601 | Food Analysis | 3(3-0) |
| CS 2702 | Business Information Systems | 3(2-3) |
| CS 3700 | Introduction to Bioinformatics | 3(3-0) |

2.2.4 Option 4: Management Information Systems

| | | |
|---------|------------------------------------------------------|--------|
| MT 3502 | Pollution Prevention | 3(3-0) |
| CS 1002 | Object-Oriented Programming Paradigms | 3(2-3) |
| CS 1003 | Data Structures and Algorithms | 3(3-0) |
| CS 1300 | Internet and the World Wide Web Technologies | 3(2-3) |
| CS 2700 | Databases | 3(3-0) |
| CS 2702 | Business Information Systems | 3(2-3) |
| CS 2707 | Electronic Commerce and Trading Information Systems | 3(3-0) |
| CS 2901 | Software Development | 3(3-0) |
| | or | |
| CS 3709 | Knowledge Management | 3(3-0) |
| CS 3708 | Decision Support Systems | 3(3-0) |
| CS 3801 | Information Technology Laws, Regulations, and Ethics | 3(3-0) |
| SE 3704 | Data Mining and Warehousing | 3(3-0) |
| SE 3901 | Software Engineering | 3(3-0) |
| SE 3907 | Object-Oriented System Analysis and Design | 3(3-0) |

2.3 Specialized Electives 6 credits
Students can freely select any relevant courses with the approval of each student's advisor.

3. Free Electives 6 credits
Students can freely select any graded courses offered by any academic unit of the university to satisfy 6 credits of free elective requirement.

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Liberal Arts and Language Center

Bachelor of Arts Program in Liberal Arts

Curricular Title

Bachelor of Arts in Liberal Arts
ศิลปศาสตรบัณฑิต สาขาวิชาศิลปศาสตร์ ไลเบอรัล

Degree Title

Bachelor of Arts (Liberal Arts)
ศิลปศาสตรบัณฑิต (ศิลปศาสตร์ ไลเบอรัล)

Abbreviation

BA (Liberal Arts)
ศ.บ. (ศิลปศาสตร์ ไลเบอรัล)

Curricular Philosophy and Goals

The Bachelor of Arts program in Liberal Arts provides courses for a solid and diverse background as well as flexibility of specific selection of higher education in business related fields. The program is designed to produce graduates with combination of courses in Humanities and Social Science.

Highly demanded areas of specialization such as Business Administration, Information Management, Built Environment and Food and Agro-Processing Industry are offered for selection as a specialized option. The study program will lead to variety of professional opportunities in business including manufacturing, food and agro-processing industry, building and construction industries, service industries, etc.

Curriculum Structure and Components

The students must complete a minimum requirement of 146 credits to graduate. The curriculum is divided into general education courses, liberal arts core courses and four areas of specialized options, i.e.,

- Option I Business Administration
- Option II Information Management
- Option III Built Environment
- Option IV Food and Agro-Processing Industry

1. General Education Courses 53 credits

| | | | |
|-----|------------------------------------------|----|---------|
| 1.1 | Humanities and Social Sciences | 26 | credits |
| 1.2 | English Language | 9 | credits |
| 1.3 | Basic Courses in Science and Mathematics | 18 | credits |

2. Management and Technology for Liberal Arts Core Courses 87 credits

| | | | |
|-----|-----------------------|----|---------|
| 2.1 | Common Courses | 45 | credits |
| 2.2 | Specialized Options | 36 | credits |
| 2.3 | Specialized Electives | 6 | credits |

3. Free Elective Courses 6 credits

| | | |
|---------|----------------------|--------|
| MG 2002 | Business Finances | 3(3-1) |
| MG 3001 | Strategic Management | 3(3-1) |
| XXXX | Technical Elective | 3 |

Total 146 credits**1. General Education Courses 47 credits****1.1 Humanities and Social Sciences 26 credits**

| | | |
|---------|-----------------------------------------|--------|
| GE 1101 | Principles of Economics | 3(3-1) |
| GE 1102 | Law and Society | 3(3-1) |
| GE 1103 | Management in Action | 3(2-3) |
| GE 1108 | Sports | 1(0-3) |
| GE 1109 | Music Appreciation | 1(1-1) |
| GE 1112 | Humanities, an Integrated Approach | 3(3-0) |
| GE 1113 | Social Sciences, an Integrated Approach | 3(3-0) |
| GE 1114 | Thai Studies | 3(3-0) |
| | or | |
| GE 1116 | Greater Mekong Sub-region Studies | 3(3-0) |
| MG 1001 | Introduction to Business | 3(3-0) |
| XXXX | Elective | 3(3-0) |

1.2 English Language 9 credits

| | | |
|---------|-------------------------|--------|
| GE 1003 | Freshman Composition I | 3(3-0) |
| GE 1004 | Freshman Composition II | 3(3-0) |
| GE 3007 | Advanced English | 3(3-0) |

1.3 Basic Courses in Science and Mathematics 18 credits

| | | |
|---------|-----------------------------------------------|--------|
| GE 1205 | Physical Science | 3(3-1) |
| GE 1206 | Biological Science | 3(3-1) |
| GE 1207 | Integrated Approach to Science and Technology | 3(3-1) |
| GE 1208 | Environmental Studies | 3(3-1) |
| GE 1310 | Basic Calculus | 3(3-1) |
| MG 1007 | Management Calculus | 3(3-1) |

2. Management and Technology for Liberal Arts Core Courses 87 credits**2.1 Common Courses 45 credits**

| | | |
|---------|----------------------------------------------|---------|
| BE 1001 | Fine Arts and Science Integration | 3(2-3) |
| BE 4703 | Computer Graphics and Multimedia | 3(3-0) |
| BE 4901 | Introduction to Environmental Urban Planning | 3(2-3) |
| BE 4912 | Environmental Impact Assessment | 3(3-0) |
| MT 2002 | Materials Science | 3(3-0) |
| MT 3004 | Engineering Economy | 3(3-0) |
| MT 3501 | Social Aspects of Environment Management | 3(3-0) |
| MT 4004 | Management Technology Training | 0(0-40) |
| | or | |
| MG 3004 | Management Internship | 0(0-40) |
| MT 4005 | Senior Project | 3(0-9) |
| GE 3002 | Technical Writing | 3(3-0) |
| CS 1009 | Computer Programming | 3(2-3) |
| MG 1004 | Principles of Accounting I | 3(3-1) |
| MG 2001 | Principles of Marketing | 3(3-1) |

2.2 Specialized Options 36 credits**2.2.1 Option 1: Business Administration**

| | | |
|---------|-----------------------------------------------|--------|
| MG 1005 | Principles of Accounting II | 3(3-1) |
| MG 2004 | Human Resource Management | 3(3-1) |
| MG 2006 | Production and Operations Management | 3(3-1) |
| MG 2101 | SME Management | 3(3-1) |
| MG 2102 | Business Communication and Negotiation | 3(3-1) |
| MG 2103 | Entrepreneurship | 3(3-1) |
| MG 2104 | International Business | 3(3-1) |
| MG 2201 | Macroeconomics | 3(3-1) |
| MG 2301 | Quantitative Analysis Techniques for Business | 3(3-1) |
| MG 3102 | Business Development Study | 3(3-1) |
| MG 3103 | Business Law and Taxation | 3(3-1) |
| MG 4102 | Seminar in Entrepreneurship | 3(3-1) |

2.2.2 Option 2: Information Management

| | | |
|---------|------------------------------------------------------|--------|
| GE 3004 | Business English I | 3(3-0) |
| GE 3005 | Business English II | 3(3-0) |
| MG 2005 | Business Information Technology | 3(3-1) |
| MG 3501 | Management Information Systems | 3(3-1) |
| CS 1300 | Internet and the World Wild Web Technologies | 3(2-3) |
| CS 2700 | Databases | 3(3-0) |
| CS 2701 | Information Management | 3(3-0) |
| CS 2708 | Knowledge-Based Systems | 3(3-0) |
| CS 3708 | Decision Support Systems | 3(3-0) |
| CS 3801 | Information Technology Laws, Regulations, and Ethics | 3(3-0) |
| CS 3803 | Special Topics in Computer Science I | 3(3-0) |
| CS 3804 | Special Topics in Computer Science II | 3(3-0) |

2.2.3 Option 3: Built Environment

| | | |
|---------|-----------------------------------------|--------|
| BE 1002 | Arts and Architectural History | 3(3-0) |
| BE 1003 | Drawing and Presentation | 3(2-3) |
| BE 2301 | Structures I | 3(3-0) |
| BE 2303 | Building Materials and Construction I | 3(2-3) |
| BE 2601 | Building Systems and Integration I | 3(3-0) |
| BE 3602 | Building Systems and Integration II | 3(3-0) |
| BE 4201 | Energy and Environmental Technology I | 3(2-3) |
| BE 4202 | Energy and Environmental Technology II | 3(2-3) |
| BE 4701 | Building Energy and Cost Estimation | 3(3-0) |
| BE 4702 | Science in Interior Design | 3(2-3) |
| BE 4704 | Advanced Computer Graphics & Multimedia | 3(3-0) |
| MT 4003 | Project Feasibility Study | 3(3-0) |

2.2.4 Option 4: Food and Agro-Processing Industry

| | | |
|---------|-------------------------------------------------------|--------|
| MT 1601 | Introduction to Biotechnology | 3(3-0) |
| MT 1602 | General Food Science | 3(3-0) |
| MT 1603 | Biochemistry | 3(3-0) |
| MT 1604 | Human Nutrition | 3(3-0) |
| MT 2602 | Health Food and Herbal Medicine | 3(3-0) |
| MT 2603 | Food Choice: Psychology, Preference and Acceptability | 3(3-0) |
| MT 2604 | Food Preservation: Principles and Applications | 3(3-0) |
| MT 2605 | Sensory Evaluation of Foods | 3(3-0) |
| MT 2606 | Food Safety and Quality Management | 3(3-0) |
| MT 3601 | Food Analysis | 3(3-0) |
| CS 2702 | Business Information Systems | 3(2-3) |
| CS 3700 | Introduction to Bioinformatics | 3(3-0) |

2.3 Specialized Electives**6 credits**

Students can freely select any courses offered by School of Management and School of Technology with an approval of each student's advisor.

3. Free Electives**6 credits**

Students can freely select any graded courses offered by any academic unit of the university to satisfy 6 credits of free elective requirement.

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Full-Time Faculty Members

School of Management

Supachok Wiriyacosol, Associated Professor

Dean – School of Management

Program Chairperson – Business Administration Program

PhD, Industrial Engineering (The University of Melbourne)

Chuvej Chansa-ngavej, Associate Professor

Vice President – Research Management (Graduate Campus)

Program Director – PhD (Management)

PhD, Capital Budgeting (Ohio State University)

Chanchai Bunchapattanasakda, Assistant Professor

Program Director – Master of Business Administration Program

DBA, International Business (Argosy University)

Pacapol Jakrapan Anurit, Assistant Professor

Program Director – Master of Science in Management Program

PhD, Consumer Behavior

(Middlesex University Business School)

John Walsh, Assistant Professor

DPhil, International Marketing (Oxford University)

Joseph Eric Massey, Assistant Professor

PhD, Organizational Communication (University of Arizona)

Amporn Soongswang, Lecturer

PhD, Finance (Edith Cowan University)

Achara Satayapaisal, Instructor

MSc, Management (Shinawatra University)

Nittana Southiseng, Instructor

MBA, International Public Management

(Asian Institute of Technology)

Opas Piansoongnern, Instructor

MBA, Management (Shinawatra University)

Ty Makararavy, Instructor

MBA, International Public Management

(Asian Institute of Technology)

School of Technology

Prinya Tantaswadi, Assistant Professor

Acting Vice Provost and Acting Dean – School of Technology

PhD, Electrical Engineering (Texas A&M University)

Damrong Khummongkol, Professor

Program Director – PhD (Technology) and Master of Science

in Management Technology Program

PhD, Chemical Engineering (Monash University)

Suravuth Pratishthananda, Associate Professor

PhD, Engineering (Utah state University)

Apichat Praditsmanont, Assistant Professor

Vice President – Main Campus and Program Chairperson –

Management Technology

PhD, Architecture (The University of Texas at Austin)

Chakguy Prakasvudhisarn, Assistant Professor

Program Director – Master of Science in Information Technology

Program

PhD, Industrial Engineering (University of Oklahoma)

Chutiporn Anutariya, Assistant Professor

Program Chairperson – Computer Science Program

DTechSc, Computer Science (Asian Institute of Technology)

Paul Andrew James Mason, Assistant Professor

PhD, Computing Science & Systems Engineering

(University of Newcastle)

Pruitipong Thaicham, Assistant Professor

PhD, Renewable Energy (University of Nottingham)

Karel Leopold Sterckx, Lecturer

PhD, Optical Wireless Communications

(University of Wales Swansea)

MD Maruf Hasan, Lecturer

DEng, Information Science

(Nara Institute of Science and Technology)

Martin Schoch, Instructor

MArch, Architecture (Pratt Institute)

Narong Wesnarat, Lecturer

MSc, Electrical Engineering
(University of the Philippines at Diliman)

Photchanan Ratanajaipan, Lecturer

MSc, Computer Science (Asian Institute of Technology)

Than Khin, Lecturer

DEng, Environmental Engineering
(Asian Institute of Technology)

Thiti Vacharasintopchai, Lecturer

DEng, Structural Engineering
(Asian Institute of Technology)

Krissada Maleewong, Instructor

MSc, Information Technology (Shinawatra University)

Lin Min Min Myint, Instructor

ME, Telecommunications (Asian Institute of Technology)

Liberal Arts and Language Center

Somchai Ratanakomut, Associated Professor

Acting Chairperson – Liberal Arts Program

Acting Director – Liberal Arts and Language Center

PhD, Economics (University of Utah)

Byaporn na Nagara, Assistant Professor

Assistant Professor, Academic Coordinator for Biological Sciences, Liberal Arts and Language Center

PhD, Physical Chemistry (University of Missouri-Rolla)

Kantatip Sinhaneti, Associated Professor

Program Director – Master of Education in Teaching English as an International Language

PhD, TEFL (The University of Texas at Austin)

Robert Kirkpatrick, Assistant Professor

PhD, Science and Mathematics Education
(Curtin University of Technology, Australia)

Timothy Cornwall, Lecturer

PhD, Adult Education (Royal Melbourne Institute of Technology University)

Vutthi Bhanthumnavin, Professor

Professor, Academic Coordinator for Physical Sciences and Technology, Liberal Arts and Language Center

PhD, (University of Maryland, College Park)

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