REGULATIONS FOR THE DEGREE OF BACHELOR OF ENGINEERING (COMPUTER SCIENCE) (BEng[CS]) AWARDED IN CONJUNCTION WITH THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION (INFORMATION SYSTEMS) (BBA[IS])

(See also General Regulations and Regulations for First Degree Curricula)

ISCS 1   Admission Requirements

To be eligible for admission to the programme leading to the Degree of Bachelor of Engineering in Computer Science under these regulations, a candidate shall
- (a)   comply with the General Regulations; and
- (b)   hold the degree of BBA(IS) from the University of Hong Kong.

ISCS 2   Length of Study

The curriculum shall normally extend over one academic year of full-time study.

ISCS 3   Curriculum Requirements

To be eligible for the award of the Degree of Bachelor of Engineering in Computer Science, a candidate shall
- (a)   comply with the General Regulations;
- (b)   complete the curriculum and satisfy the examiners in accordance with these regulations; and
- (c)   satisfy the examiners in no less than 66 credit-units of courses as prescribed in the syllabuses.

ISCS 4   Candidates shall normally select not less than 33 and not more than 39 credit-units of courses in each semester, unless otherwise permitted or required by the Board of the Faculty. Candidates who have overloaded in preceding semesters will be allowed to reduce the load by up to the equivalent number of credit-units they have passed in excess of the normal load in a subsequent semester without having to seek prior approval.

ISCS 5   Candidates with unsatisfactory academic progress may be required by the Board of the Faculty to take a reduced study load.

ISCS 6   Selection of Courses

Candidates shall select their courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each academic year.

ISCS 7   Assessment and Grades

Candidates shall be assessed for each of the courses which they have registered for, and assessment may be conducted in any one or any combination of the following manners: written examinations or tests, continuous assessment, laboratory work, field work, project reports, or in any other manner as specified in the syllabuses.   Grades shall be awarded in accordance with UG 5 of the Regulations for the First Degree Curricula.

ISCS 8   Written examinations or tests shall normally be held at the end of each semester unless otherwise specified in the syllabuses. A candidate who fails in any course may be required to repeat the same course in a subsequent semester, or to take a special examination at a time specified by the Board of the Faculty. The grades for all the attempts made will be recorded in the transcript. Candidates shall not be permitted to repeat a course for which they have received a grade D or above for upgrading purposes.

ISCS 9   A candidate will normally be recommended for discontinuation if
    (a)   his/her yearly average of Semester GPA is unsatisfactory for two consecutive academic years;
    (b)   he/she has failed in a core course twice; or
    (c)   he/she has accumulated less than half of the credit-units expected of a normal load for two consecutive years.

ISCS 10   Degree Classification

The degree of Bachelor of Engineering in Computer Science shall be awarded under these regulations in five divisions:

> First Class Honours
> Second Class Honours Division One
> Second Class Honours Division Two
> Third Class Honours
> Pass

ISCS 11   The classification of honours shall be determined by the Board of the Faculty at its full discretion based on 180 credit-units selected in the manner specified in the syllabus for the degree of BEng(CS) awarded in conjunction with the degree of BBA(IS).

SYLLABUSES FOR THE DEGREE OF BACHELOR OF ENGINEERING (COMPUTER SCIENCE) AWARDED IN CONJUNCTION WITH THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION (INFORMATION SYSTEMS)

This syllabus applies to students admitted to the BBA(IS)/BEng(CompSc) programme in the academic year 2005-2006.

YEAR FOUR: PROGRAMME STRUCTURE

To complete the curriculum, a candidate must pass all courses listed in the following table:

Course code	Course title	Credit-units
BUSI0009	Business policy	6
BUSIxxxx	IS Elective [1]	12
CSIS0259	Principles of programming languages	6
CSIS0801	Final year project	12
CSISxxxx	CS Elective [2]	12
ELEC2803	Engineering and society	3
XXXXxxxx	FBE Elective [3]	6
XXXXxxxx	Broadening course [4]	6
CSIS1410	Industrial training	3

1 Elective courses in Information Systems offered by the School of Business
2 Elective courses offered by the Department of Computer Science, excluding Research Internship
3 Elective courses offered by the Faculty of Business and Economics, including IS electives
4 Courses offered outside this degree curriculum

In addition, a candidate must satisfy any other requirements as stipulated in the University or Faculty of Engineering regulations.

The degree classification shall be based on the best 180 credit-units from:

(a) All core courses in computer science and information systems (84 credit-units);
(b) All compulsory complementary studies courses (24 credit-units);
(c) Systems integration project (6 credit-units) and Final year project (12 credit-units); and
(d) The best 54 credit-units of elective courses, including 24 credit units of elective courses in Computer Science (but excluding Research Internship), 24 credit units of elective courses in Information Systems and 6 credit units of FBE electives taken in Year 4.

For the purpose of degree classification, courses are grouped as follows:

Core (84 credit-units)	• Computer programming • Mathematical foundations of computer science • Introduction to data structures and algorithms • Machine organization and assembly language programming • Engineering mathematics • Object-oriented programming and Java • Information systems development and project management I • Information systems development and project management II	• Principles of operating systems • Introduction to database management systems *or* Database development and management • Introduction to software engineering • Computer and communications networks *or* Data communications and networking management • Design and analysis of algorithms • Principles of programming languages
Complementary Studies (24 credit-units)	• Business communication • Professional and technical communication for computer science • Practical Chinese language course for business, economics and finance students	• Engineering and society • Business Policy • Broadening course(s) (Year 4) (6 credit-units)
Projects (18 credit-units)	• System integration project	• Final year project
Elective Courses (54 credit-units)	• CS electives (24 credit-units)[5] • IS electives (24 credit-units)[7]	• FBE elective (Year 4) (6 credit-units)[6]
Training (6 credit-units)	• Workshop Training	• Industrial Training

5 CS elective courses are elective courses offered by the Department of Computer Science, excluding Research Internship
6 FBE elective courses are elective courses offered by the Faculty of Business and Economics, including IS electives
7 IS elective courses are FBE elective courses in Information Systems offered by the School of Business

CSIS1xxx courses in the syllabuses are level 1 courses, and CSIS0xxx courses are of level 2.

Course descriptions are available in the syllabuses for the degree of Bachelor of Engineering in Computer Science and the degree of Bachelor of Business Administration (Information Systems).

SYLLABUSES FOR THE DEGREE OF BACHELOR OF ENGINEERING (COMPUTER SCIENCE) AWARDED IN CONJUNCTION WITH THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION (INFORMATION SYSTEMS)

This syllabus applies to students admitted to the BBA(IS)/BEng(CompSc) programme in the academic years 2006-2007 and 2007-2008.

YEAR FOUR: PROGRAMME STRUCTURE

To complete the curriculum, a candidate must pass all courses listed in the following table:

Course code	Course title	Credit-units
BUSI0009	Business policy	6
BUSIxxxx	IS Elective [1]	12
CSIS0250	Design and analysis of algorithms	6
CSIS0801	Final year project	12
CSIS1410	Industrial training	3
CSISxxxx	CS Elective [2]	18
ELEC2803	Engineering and society	3
XXXXxxxx	Broadening course[3]	6

[1] Elective courses in Information Systems offered by the School of Business
[2] Elective courses offered by the Department of Computer Science, excluding Research Internship
[3] Courses offered outside this degree curriculum

In addition, a candidate must satisfy any other requirements as stipulated in the University or Faculty of Engineering regulations.

The degree classification shall be based on the best 180 credit-units from:

(a)   All Core courses in computer science and information systems (66 credit-units);
(b)   All compulsory Complementary Studies courses (24 credit-units);
(c)   Systems integration project (6 credit-units) and Final year project (12 credit-units); and
(d)   The best 72 credit-units of Elective Courses, including at least 24 credit units of elective courses in Computer Science (but excluding Research Internship) and at least 18 credit units of elective courses in Information Systems.

For the purpose of degree classification, courses are grouped as follows:

Core (66 credit-units)	- Computer programming I - Computer programming II - Mathematical foundations of computer science - Introduction to data structures and algorithms	- Principles of operating systems - Introduction to database management systems *or* Database development and management - Introduction to software engineering

	Machine organization and assembly language programming • Object-oriented programming and Java	• Computer and communications networks *or* Data communications and networking management • Design and analysis of algorithms
Complementary Studies (24 credit-units)	• Business communication • Professional and technical communication for computer science • Practical Chinese language course for business, economics and finance students	• Engineering and society • Business Policy • Broadening course(s) (Year 4) (6 credit-units)
Projects (18 credit-units)	• System integration project	• Final year project
Elective Courses (72 credit-units)	• CS[4]/FBE[5] elective courses, including at least 24 credit units of CS electives and at least 18 credit units of IS[6] electives	
Training (6 credit-units)	• Workshop Training	• Industrial Training

[4] CS elective courses are elective courses offered by the Department of Computer Science, excluding Research Internship and Industrial Seminars

[5] FBE elective courses are elective courses offered by the Faculty of Business and Economics, including IS electives

[6] IS elective courses are FBE elective courses in Information Systems offered by the School of Business

CSIS1xxx courses in the syllabuses are level 1 courses, and CSIS0xxx courses are of level 2.

Course descriptions are available in the syllabuses for the degree of Bachelor of Engineering in Computer Science and the degree of Bachelor of Business Administration (Information Systems).

SYLLABUSES FOR THE DEGREE OF BACHELOR OF ENGINEERING (COMPUTER SCIENCE) AWARDED IN CONJUNCTION WITH THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION (INFORMATION SYSTEMS)

This syllabus applies to students admitted to the BBA(IS)/BEng(CompSc) programme in the academic year 2008-2009 and thereafter.

YEAR FOUR: PROGRAMME STRUCTURE

To complete the curriculum, a candidate must pass all courses listed in the following table:

Course code	Course title	Credit-units
BUSI0009	Business policy	6
BUSIxxxx	IS elective [1]	6
CSIS0250	Design and analysis of algorithms	6
CSIS0801	Final year project	12
CSIS1410	Industrial training	3
CSISxxxx	CS elective [2]	12
ELEC2803	Engineering and society	3
XXXXxxxx	Broadening course[3]	6
xxxxx.	CS / FBE elective[4]	12

1   Elective courses in Information Systems offered by the School of Business

2   Elective courses offered by the Department of Computer Science, excluding Research Internship

3   Courses offered outside this degree curriculum

4   Any Level 2 electives offered by the Department of Computer Science or electives offered by the Faculty of Business and Economics. At least 12 credit-units of the courses labeled "CS / FBE elective" in Years 2, 3 and 4 must be CS electives. At least 6 credit-units of the courses labeled "CS / FBE elective" in Years 2, 3 and 4 must be IS elective.

In addition, a candidate must satisfy any other requirements as stipulated in the University or Faculty of Engineering regulations.

The degree classification shall be based on the best 180 credit-units from:

(a)   All Core courses in computer science and information systems and BUSI0059 (60 credit-units);

(b)   All compulsory Complementary Studies courses (24 credit-units);

(c)   Final year project (12 credit-units); and

(d)   The best 84 credit-units of Elective Courses, including at least 30 credit units of elective courses in Computer Science (but excluding Research Internship) and at least 18 credit units of elective courses in Information Systems.

For the purpose of degree classification, courses are grouped as follows:

Core (60 credit-units)	• Computer programming I • Computer programming II • Discrete Mathematics • Introduction to data structures and algorithms • Machine organization and assembly language programming	• Principles of operating systems • Introduction to database management systems *or* Database development and management • Computer and communications networks *or* Data communications and networking management • Design and analysis of algorithms • Information systems analysis and design
Complementary Studies (24 credit-units)	• Business communication • Professional and technical communication for computer science • Practical Chinese language course for business, economics and finance students	• Engineering and society • Business Policy • Broadening course(s) (Year 4) (6 credit-units)
Projects (12 credit-units)		• Final year project
Elective Courses (84 credit-units)	• CS[5] or FBE[6] elective courses, including at least 30 credit units of CS electives and at least 18 credit units of IS[7] electives	
Training (6 credit-units)	• Workshop Training	• Industrial Training

5   CS elective courses are elective courses offered by the Department of Computer Science, excluding Research Internship

6   FBE elective courses are elective courses offered by the Faculty of Business and Economics, including IS electives

7   IS elective courses are FBE elective courses in Information Systems offered by the School of Business

CSIS1xxx courses in the syllabuses are level 1 courses, and CSIS0xxx courses are of level 2.

Course descriptions are available in the syllabuses for the degree of Bachelor of Engineering in Computer Science and the degree of Bachelor of Business Administration (Information Systems).