



FAKULTAS ILMU KOMPUTER  
UNIVERSITAS INDONESIA



SCHOOL OF INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING  
THE UNIVERSITY OF QUEENSLAND  
AUSTRALIA



THE SCHOOL OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY  
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY  
AUSTRALIA



UNIVERSITAS INDONESIA

## Double Degree INTERNATIONAL CLASS PROGRAM

In 2002, *Fakultas Ilmu Komputer Universitas Indonesia* (Fasilkom UI) established a collaboration with the School of Information Technology and Electrical Engineering at The University of Queensland (ITEE UQ) to offer an undergraduate International Class Program in Information Technology (IT) and Computer Science (CS).

Starting in 2010, this collaboration has now been expanded to include The School of Computer Science & Information Technology at the Royal Melbourne Institute of Technology (CSIT RMIT), which provides students with flexible options in designing the most suitable study plan.

This program prepares its students to become graduates who are able to meet the challenges in the era of globalization, to compete in regional and international job markets, and be able to pursue further advanced degrees. To achieve these objectives, the program is conducted by highly qualified and experienced lecturers in the fields of Computer Science and Information Technology from all involved institutions.

*Fakultas Ilmu Komputer Universitas Indonesia* is one of the foremost institutions in Indonesia which offers degree programs in IT/CS. Beginning from its roots dating back to 1972 as a centre for computer science, Fasilkom UI has played a key role in developing IT in Indonesia, and continually delivers high quality education, research and services to meet the needs of its stakeholders.

**The School of Information Technology and Electrical Engineering at The University of Queensland** is part of the largest and most prestigious of Australia's universities and is a member of the elite "Group of Eight" Australian institutes. It is internationally acclaimed for its strength in teaching and research and its qualifications are recognized worldwide.

**The School of Computer Science & Information Technology at The Royal Melbourne Institute of Technology** is a leading IT school in Australia, and aside from innovative and cutting-edge research, is well-known for its strong industrial links and careful balance between theory and practice.



### Why IT?

The era of IT:

- ◆ Information Technology pervades our daily lives, every sector of business, and is set to play an even bigger role in the future
- ◆ The need for IT professionals in the local, regional, and international job markets is very high
- ◆ It is a fast advancing area with exciting opportunities in pushing the frontiers of science and technology
- ◆ IT today also supports creativity and entertainment, from social networking to games design.

### Why This Program?

Advantages of this program

- ◆ High quality education from reputable universities in Indonesia and Australia
- ◆ Graduates of this program will obtain double degrees: Sarjana Ilmu Komputer (S.Kom) from UI, and a choice of Bachelor of Information Technology (BInfTech) from UQ or Bachelor of Computer Science from RMIT
- ◆ Lower study fees compared to taking full undergraduate study in Australia
- ◆ All courses offered at Fasilkom UI, ITEE UQ, and CSIT RMIT are delivered in English
- ◆ Intensive courses in small classes

## The Program Arrangement



Curriculum Breakdown		
SEMESTER	COURSE	SKS
1	English	3
	Calculus	4
	Programming Foundations	6
	Discrete Mathematics 1	3
	Introduction to Digital System	4
2	Scientific Writing	3
	Data Structures and Algorithm	4
	Introduction to Computer Organization	3
	Discrete Mathematics 2	3
	Web Design and Programming	4
3	Operating System	4
	Computer Networks	3
	Database 1	4
	Linear Algebra	3
	Statistics	3
4	Software Engineering	4
	Database 2	4
	Human Computer Interaction	3
	Applied Probability	3
	Advanced Programming	4
5	IT Project	4
	Intelligent System	4
	Automata & Language Theory	3
	Scientific Computing	3
	Computer and Society	3
Religion	2	
Semester 6-8 at ITEE UQ or CIST RMIT equivalent to		53 sks

As an International Student, you will have a unique opportunity to be part of this exciting program with a proven track record that allows you to earn two bachelor's degree at the same time, i.e. Sarjana Ilmu Komputer (S.Kom) from UI, and Bachelor of Information Technology (BInfTech) from UQ or Bachelor of Computer Science from RMIT.

This is a 4-year program (8 semesters). The program arrangement is as follows:

**Period 1:** Semester 1 - 5 at Fasilkom UI.

**Period 2:** Semester 6 - 8 at ITEE UQ or CSIT RMIT.

Outstanding students will have the further opportunity to enter the Honours degree program at ITEE UQ or CSIT RMIT.

There is also the opportunity of completing your degree after only 2 (two) semesters in Australia. Please contact us for further details.

### Course Structure

Courses offered in this program cover areas including:

- ◆ Software Engineering
- ◆ Information Systems
- ◆ Networking
- ◆ Scientific Computation
- ◆ Human-Computer Interaction
- ◆ Business Analysis
- ◆ Computer Graphics
- ◆ Artificial Intelligence
- ◆ Cognitive Science

### Facilities

Students will have free Internet access and e-mail accounts, access to computer laboratories, libraries with vast reference collections, and other facilities provided by UI, UQ, & RMIT such as recreation and sporting facilities.

For more information about the structure, visit

Fasilkom UI : <http://www.cs.ui.ac.id>

ITEE-UQ : <http://www.uq.edu.au/ict/inftech>

CSIT-RMIT : <http://www.rmit.edu.au/browse;ID=BP094>