

www.cs.ui.ac.id

Curriculum Breakdown

Semester	Course	SKS
1	Mathematics	3
	Physics	3
	Discrete Mathematics 1	3
	Programming Foundations 1	4
	Introduction to Digital Systems	4
	English	3
2	Mathematics 2	3
	Discrete Mathematics 2	3
	Programming Foundations 2	4
	Introduction to Computer Organization	3
	Linear Algebra	3
	Religion	2
3	Operating Systems	4
	Statistics & Probability	3
	Data Structures & Algorithms	4
	Web Design & Programming	4
	Automata & Theory of Languages	4
	Arts & Sports	1
4	Databases	4
	Advanced Programming	4
	Intelligent Systems	4
	Computer Networks	4
	Software Engineering	3
5*	System Programming	3
	Scientific Writing & Research Methodology	3
	Numerical Analysis	3
	Software Engineering Project	6
	Computer & Society	3
6, 7, and 8 (Overseas)	Algorithm Design & Analysis	4
	Data Science & Analytics	3
	Internships	3
	* Courses at Partner Universities	

*For the 2+2 scheme, the students have to complete these courses in our partner universities

*For Further Information
Please contact us at:*

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For more information about partner universities, visit
Fasilkom UI : <http://www.cs.ui.ac.id>
ITEE-UQ : <http://www.itee.uq.edu.au>
CSIT-RMIT : <https://www.rmit.edu.au/about/our-education/academic-schools/science>
CECS-ANU : <https://cecs.anu.edu.au/>
SIT-DEAKIN : <http://www.deakin.edu.au/information-technology>



UNIVERSITAS
INDONESIA

Veritas, Probitas, Justitia

FACULTY OF
**COMPUTER
SCIENCE**

Double Degree
**International Undergraduate Program
in Computer Science/Information Technology**





Preface

Since 2002, the Faculty of Computer Science Universitas Indonesia (known as Fasilkom UI) has been establishing collaborations with several partner universities to offer an International Undergraduate Program in Computer Science/Information Technology. This program prepares its students to become graduates who can tackle challenges in the era of globalization, compete in regional and international job markets, and be able to pursue further advanced degrees. The program is run by highly qualified and experienced lecturers in the fields of Computer Science and Information Technology from involved institutions.

Our partners currently include:

- School of Information Technology and Electrical Engineering, University of Queensland (UQ), Australia.
- School of Computer Science and Information Technology, Royal Melbourne Institute of Technology (RMIT), Australia.
- College of Engineering & Computer Science, Australian National University (ANU), Australia.
- School of Information Technology, Deakin University, Australia.

Fasilkom UI is one of the foremost institutions in Indonesia which offers degree programs in computer science and information technology. Beginning from its roots, dating back to 1972, as a center for computer science, Fasilkom UI has played a key role in developing information technology 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 one of the largest and most prestigious of Australia's universities. It is internationally acclaimed for its strength in teaching and research, and its qualifications are recognized worldwide.

The School of Computer Science and 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 balance between theory and practice.

The College of Engineering & Computer Science at the Australian National University is a leading center for research and education in Australia and committed to finding sustainable solutions to the world's challenges.

The School of Information Technology at Deakin University offers a broad range of first-rate, industry-informed courses that give students the knowledge and skills needed to make a difference. These are supported through active research groups, centres, and partnerships, which produce globally-capable information technology graduates of the future.

Why Computer Science (CS) and Information Technology (IT)?

- CS and IT pervade our daily lives, every sector of business, and is set to play an even more prominent role in the future.
- The need for CS and IT professionals in the local, regional, and international job markets is very high.
- These fields advance fast with exciting opportunities in pushing the frontiers of science and technology.
- CS and IT today also supports creativity and entertainment, from social networking to games design.

Length of Study

This is a 4-year program (8 semesters). Depending on the degree offered by partner universities, the program is arranged as:

- 2.5 + 1.5 scheme, i.e., semester 1 - 5 at Fasilkom UI and semester 6 - 8 at a partner university.
- 2 + 2 scheme, i.e., semester 1 - 4 at Fasilkom UI and semester 5 - 8 at a partner university.

Admission

- Completion of high school (SMU) or equivalent programs within the last five years.
- Satisfying English language requirement of Institutional TOEFL, certified by ETS (PBT score of 500 or iBT score of 61 or CBT score of 173) or IELTS score of 5.5.
- Passing the UI Entrance Examination for the International Undergraduate Program.
- Information on registration and admission: <http://peneriman.ui.ac.id>.
- Information for international students: <http://international.ui.ac.id>

Why This Program?

Advantages of this program

- High quality education from reputable universities in Indonesia and Australia.
- 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 degrees: Sarjana Ilmu Komputer (S.Kom.) from UI and Bachelor of Information Technology or Bachelor of Computer Science from a partner university. For ANU, Bachelor of Advanced Computing (Honours) will be awarded
- Lower study fees compared to taking a full-time undergraduate study in Australia.
- All courses offered both at Fasilkom UI and the partner university, are delivered in English.
- Intensive courses are conducted in small classes.

Interest Areas

Courses offered in this program cover areas including:

- Intelligent Systems
- Systems and Architectures
- Theoretical Computer Science
- Cyber Security
- Data Science
- Scientific Computing
- Enterprise Information Systems
- Software Engineering
- User Experience Design
- Game Development
- Virtual and Augmented Reality



Deakin University



Australian National University



RMIT University



University of Queensland