IKADO
CREATIVE TECHNOPRENEUR CAMPUS

DSU

DUAL DEGREE PROGRAM
in **INDONESIA** and **SOUTH KOREA**

2 YEARS
AT **IKADO** SURABAYA

+

2 YEARS
AT **DONGSEO** UNIVERSITY **SOUTH KOREA**

ACCELERATE YOUR BRIGHTER FUTURE

DUAL DEGREE IN

ANIMATION (S.Ds + B.Eng)
GAME TECHNOLOGY (S.Kom + B.Eng)
COMPUTER ENGINEERING (S.Kom + B.Eng)

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IKADO
CREATIVE TECHNOPRENEUR CAMPUS

DSU Dongseo University 동서대학교

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FAQ

Frequently
Ask & Question

Q: What does double degree program mean?

A: Double degree program is a mutual collaboration between IKADO and Dongseo University, where student can study 2 years at IKADO and 2 years at Dongseo University (2+2 program). At the end of study, student will be recognized and conferred 2 academic titles (Sarjana and Bachelor) from both institutions

Q: What is IKADO?

A: InstitutInformatika Indonesia (IKADO) is a private academic institution located inwell-developed area of West Surabaya, Indonesia. Since 2003, IKADO concerns to provide best quality education in area of Information Technology and Design with the spirit of creative technopreneur campus.

Q: What is Dongseo University?

A: Dongseo University (DSU) is a private university located in Busan, South Korea. Established in 1992, Dongseo University has been growing as university that has specialization area in Design, Digital Contents, Film & Video, and Information Technology.

Q: What is the medium language used in this double degree program?

A: Because this is the international program, all courses and materials will be taught in English. But do not worry, if you still have limited English proficiency, you will be equipped with additional special courses to increase your English ability before you depart to Korea.

Q: What are the double degree program offered for direct admission at IKADO?

A: There are 3 schemes for this double degree program:

- 2-year study of Informatics at IKADO (Sarjana Komputer / S.Kom.) + 2-year study of Computer Engineering at DSU (Bachelor of Engineering / B.Eng.)

- 2-year study of Informatics at IKADO (Sarjana Komputer / S.Kom.) + 2-year study of Game Technology at DSU (Bachelor of Engineering / B.Eng.)

- 2-year study of Visual Communication Design at IKADO (Sarjana Desain / S.Ds.) + 2-year study of Animation at DSU (Bachelor of Engineering / B.Eng.)

Q: Is there any special requirement to apply this double degree program?

A: Yes, of course. You need to hold high school (or equivalent) diploma and have English proficiency at least score of TOEFL 530 (IELTS 5.5 or equivalent on an alternative official test). For Visual Communication Design Program, you should pass a drawing test and not colour blind as well to be eligible for this program.

Q: What are the advantages joining this double degree program than study directly in Korea?

A: There are several advantages joining this double degree program:

First, You will be guaranteed to be accepted to continue your last 2-year study at Dongseo University, provided that you can fulfil the requirements, without any additional admission test. Second, You will save up to 40 percent compared to study directly in Korea since first semester. Third, You will get 2 academic titles and recognitions, both from Indonesia and Korea, after 4-year study. And Last, You will get more knowledge, experiences, and friends from 2 different campuses.

Q: If after 2-year study at IKADO, because of some reasons I cannot depart to Korea, can I continue my study to regular program?

A: Yes, you can transfer your credits to our regular program. But please take a note, there will be additional administration requirement to be performed. Please contact our representatives for detailed information.

Q: Is there any scholarship to apply this double degree program?

A: Yes, there is some scholarship schemes for this program. Please refer to booklet or contact our representatives for detailed information.

Q: Is there any accommodation facility during study in Korea?

A: Yes, of course. Dongseo University has dormitory buildings for international student to be rented with economical price compared to outside campus accommodation. Student is also protected with insurance while staying in Korea.

Q: Where should I contact to get more information related to this double degree program?

A: If you still need further information related this double degree program, please do not hesitate to contact our Admission Office:

Student Admission Office
Institut Informatika Indonesia (IKADO)
Jalan Pattimura No. 3
Surabaya 60189
East Java
Republic of Indonesia

Phone: +62-31-7346735
Fax: +62-31-7349324
E-mail: pmb@ikado.ac.id
Website: http://ikado.ac.id

ANIMATION

S.Ds + B.Eng

OVERVIEW

Along with the development of smart phones and 4D stereoscopicfilms, the global demand of visual contents also shows rapid growth. As one of the most promising creative industries, talented professionals who are able to create high quality animation, will take part to join in this potential creative production.

The double degree program between Visual Communication Design Department, IKADO and Digital Contents Division (Animation), Dongseo University, aims to focus on the students' practical ability of animation production based on independentcreative production and international projects. Students can participate in domesticand overseas short films, TV animation series and feature film production, and thusdevelop their creative and practical capacity.

Student in this program will learn about Computer Graphics, Multimedia, Visual Communication Design, 3D Modelling, Character Animation, and Visual Effect.

PROSPECTIVE CAREER OPPORTUNITIES

3D Animator, Character Designer, Visual Effect Designer, Photography and Videography Specialist, Entrepreneur in Animation and Multimedia Industry Area

CURRICULUM

Completion of the Program requires 145 credits (79 credits from IKADO and 66 credits from DSU). The nominal length of full-time studies shall be 8 semesters (4 years), with the first four semesters spent at Informatics Department, IKADO and the final four semesters at Digital Contents Division (Game Technology), Dongseo University. At the end of study, student will be conferred academic title as "Sarjana Desain" (S.Ds.) from IKADO and "Bachelor of Engineering" (B.Eng.) from Dongseo University.

In accordance with curriculum, student in this program should take the courses as listed beside :

2 YEARS AT IKADO SURABAYA

VISUAL COMMUNICATION DESIGN

NO	COURSE UNIT	CREDITS
	1st SEMESTER	
1	English	3
2	Citizenship	2
3	Creativity and Business Innovation	3
4	History of Design	2
5	Basic Drawing	4
6	Fundamental Computer Graphics	3
7	Basic Design	4
	TOTAL	**21**
	2nd SEMESTER	
1	Indonesian Language	2
2	Religion	2
3	Creative Economy	2
4	Advanced Drawing	4
5	Basic Photography	3
6	Advanced Computer Graphics	3
7	Advanced Design	4
	TOTAL	**20**
	3rd SEMESTER	
1	Marketing	2
2	Illustration	3
3	Photography Design	3
4	Videography	3
5	2D Animation	3
6	VCD Phase 1	5
	TOTAL	**19**
	4th SEMESTER	
1	Brand	3
2	Typography	3
3	Digital Imaging	2
4	3D Animation	3
5	Multimedia	3
6	VCD Phase 2	5
	TOTAL	**19**

TOTAL CREDITS AT IKADO 79

2 YEARS AT DONGSEO SOUTH KOREA

ANIMATION

NO	COURSE UNIT	CREDITS
	5th SEMESTER	
1	Content Workshop 4	3
2	Character Design	3
3	Fundamental Character Animation	3
4	Character Education & Course Plain 1	1
5	TOEIC 1	2
6	Chapel 5 or Public Service 5	1
7	Elective Subject	3
8	Elective Subject	3
	TOTAL	**19**
	6th SEMESTER	
1	Content Workshop 5	3
2	Particles & Dynamics	3
3	Advanced Concept Design	3
4	Character Education & Course Plain 2	1
5	Chapel 6 or Public Service 5	2
6	Elective Subject	1
7	Elective Subject	3
	TOTAL	**17**
	7th SEMESTER	
1	Advanced 3D Modeling	3
2	Visual Effect	3
3	Animation Workshop	3
4	Research Method	6
5	Field Studies	PASS
	TOTAL	**15**
	8th SEMESTER	
1	Digital Actor	3
2	Portfolio	3
3	Script Language	3
4	Bachelor's Thesis	6
	TOTAL	**15**

TOTAL CREDITS AT DONGSEO 66

DUAL DEGREE IN
GAME
TECHNOLOGY
S.Kom + B.Eng

OVERVIEW

Nowadays, game is a form of creative industry, which is positioned as one ofthe important parts for human lifestyle, not only for entertainment, but for human interaction as well. The rapid growth of game technology, for example Augmented Reality and Virtual Realitycombined with Information Technology, has changed people interaction in gaming to be more realistic without bordered by space and time. The double degree program between Informatics Department, IKADO and Digital Contents Division (Game Technology), Dongseo University, aims to deliver our students various technologies and the know-how to develop computer games, mobile content and arcadegames.Through project-based education, we can help the students become game planners or game programmers who can contribute to the developmentof the game industry. Student in this program will learn about 3D Game Programming, Mobile Programming, Human and Computer Interaction, Artificial Intelligence, and Game System Design.

PROSPECTIVE CAREER OPPORTUNITIES

Game Designer, Game Programmer, Multimedia Developer, Human and Computer Interaction Specialist, Entrepreneur inGame Technology Area

CURRICULUM

Completion of the Program requires 145 credits (79 credits from IKADO and 66 credits from DSU). The nominal length of full-time studies shall be 8 semesters (4 years), with the first four semesters spent at Informatics Department, IKADO and the final four semesters at Digital Contents Division (Game Technology), Dongseo University. At the end of study, student will be conferred academic title as "Sarjana Desain" (S.Ds.) from IKADO and "Bachelor of Engineering" (B.Eng.) from Dongseo University.

In accordance with curriculum, student in this program should take the courses as listed beside :

2 YEARS AT IKADO SURABAYA

INFORMATICS

NO	COURSE UNIT	CREDITS
	1st SEMESTER	
1	Introduction to ICT	2
2	Calculus	3
3	English	3
4	Math Logic	3
5	Algorithm and Programming	4
6	Citizenship	2
7	Software Engineering	3
	TOTAL	**20**
	2nd SEMESTER	
1	Interpersonal Communication	2
2	Introduction to Business	2
3	Data Structure	3
4	Fundamental Database	4
5	Design & Analysis Algorithm	3
6	Human & Computer Interaction	3
7	Proffesional Ethics	2
8	Religion	2
	TOTAL	**21**
	3rd SEMESTER	
1	Advanced Database	3
2	Mobile Programming	3
3	Object Oriented Programming	4
4	Internet Programming	3
5	Artificial Intelligence	3
6	Entrepreneurship	2
	TOTAL	**19**
	4th SEMESTER	
1	Indonesia Language	2
2	Game Programming	3
3	Computer Networks	4
4	Visual Programming	3
5	Internet Application Framework	3
6	Business Intelligence	3
7	Marketing	2
	TOTAL	**20**

TOTAL CREDITS AT IKADO 79

2 YEARS AT DONGSEO SOUTH KOREA

GAME TECHNOLOGY

NO	COURSE UNIT	CREDITS
	5th SEMESTER	
1	Content Workshop 2	3
2	Game System Design	3
3	Programming Method	3
4	Character Education & Course Plain 1	1
5	TOEIC 1	2
6	Chapel 5 or Public Service 5	1
7	Elective Subject	3
8	Elective Subject	3
	TOTAL	**19**
	6th SEMESTER	
1	Content Workshop 3	3
2	Game Tool Programming	3
3	3D Game Programming	3
4	Character Education & Course Plain 2	1
5	Chapel 6 or Public Service 5	2
6	Elective Subject	3
7	Elective Subject	3
	TOTAL	**17**
	7th SEMESTER	
1	Contents Workshop 4	3
2	Game Project 1	3
3	Using Game Engine	3
4	Research Method	6
5	Field Studies	PASS
	TOTAL	**15**
	8th SEMESTER	
1	Contents Workshop 5	3
2	Game Project 2	3
3	Portfolio	3
4	Bachelor's Thesis	6
	TOTAL	**15**

TOTAL CREDITS AT DONGSEO 66

DUAL DEGREE IN
COMPUTER ENGINEERING

S.Kom + B.Eng

OVERVIEW

In this digital era, all human life aspects have already been touched by technology, especially computer. The computer technology has changed the way we communicate, learn, play, and many more. As the consequences, the need for talented engineers, who are able to develop current computer technology both hardware and software, plays the important role in nowadays career.

The double degree program between Informatics Department, IKADO and Computer Engineering Division, Dongseo University, aims to nurture digital talents for the 21st century that are equipped with cutting-edge technology and hands-on experience to lead knowledge in Information Technology.

Student in this program will learn about Software Development, Computer Networks and Security, Cloud Computing, Data Processing, and Artificial Intelligence.

PROSPECTIVE CAREER OPPORTUNITIES

Software Engineer, System Analyst, Computer Networks Engineer, Network Security Specialist, Database Administrator, Entrepreneur in Information Technology Area

CURRICULUM

Completion of the Program requires 145 credits (79 credits from IKADO and 66 credits from DSU). The nominal length of full-time studies shall be 8 semesters (4 years), with the first four semesters spent at Informatics Department, IKADO and the final four semesters atDigital Contents Division (Game Technology), Dongseo University. At the end of study, student will be conferred academic title as "SarjanaKomputer" (S.Kom.) from IKADO and "Bachelor of Engineering" (B.Eng.) from Dongseo University.

In accordance with curriculum, student in this program should take the courses as listed beside:

2 YEARS — AT IKADO SURABAYA

INFORMATICS

NO	COURSE UNIT	CREDITS
	1st SEMESTER	
1	Introduction to ICT	2
2	Calculus	3
3	English	3
4	Math Logic	3
5	Algorithm and Programming	4
6	Citizenship	2
7	Software Engineering	3
	TOTAL	**20**
	2nd SEMESTER	
1	Religion	2
2	Fundamental Database	4
3	Discrete Mathematics	3
4	Data Structure	3
5	Design & Analysis Alogrithm	3
6	Human & Computer Interaction	3
7	Indonesian Language	2
	TOTAL	**20**
	3rd SEMESTER	
1	Advanced Database	3
2	Entrepreneurship	2
3	Digital Image Processing and Pattern Recognition	3
5	Digital System	3
6	Object Oriented Programming	4
7	System Analysis and Design	3
8	Internet Programming	3
	TOTAL	**19**
	4th SEMESTER	
1	Computer Architecture & Organization	3
2	Leadership	3
3	Computer Networks	2
4	Object Oriented Analysis & Design	3
5	Visual Programming	3
6	Internet Application Framework	5
	TOTAL	**19**

TOTAL CREDITS AT IKADO 79

2 YEARS — AT DONGSEO SOUTH KOREA

COMPUTER ENGINEERING

NO	COURSE UNIT	CREDITS
	5th SEMESTER	
1	Character Education & Course Plan 1	1
2	TOEIC 1	2
3	Alternative (1)	
4	Chapel 5	1
5	Public Service 5	1
6	Software Development Practice 3	4
7	Information Security & Programming	3
8	Netowrk Security	3
9	Self-Brand Design 1	1
	TOTAL	**15**
	6th SEMESTER	
1	Character Education & Course Plan 2	1
2	Alternative (1)	
3	Chapel 6	1
4	Public Service 6	1
5	Software Development Practive 4	4
6	Self Brand Design 2	1
7	Operating System	3
8	Wide-Area Network Design	3
9	Mobile Convergence	3
	TOTAL	**16**
	7th SEMESTER	
1	Field Studies	PASS / NO PASS
2	Capstone Design 1	3
3	Security Project	3
4	Hacking in Practice	3
5	Linux System	3
	Cloud Computing	3
	Elective Subject (Liberal Arts)	2
	TOTAL	**17**
	8th SEMESTER	
1	Capstone Design 2	3
2	Big Data Processing	3
3	Artificial Intelligence	3
4	Software Business	3
5	Bachelor's Thesis	6
	TOTAL	**18**

TOTAL CREDITS AT DONGSEO 66

DSU
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0856 457 10000