Interactive Design and Technology

Introduction

The IDT curriculum emphasizes both creative and analytical parts of design, offering the graduates a set of knowledge to create user-centered solutions that improve functionality and engagement. Design thinking, user research, wireframing, prototyping, and usability testing techniques will be introduced to students through handson projects and real-world scenarios. By the end of the program, they will have a packed portfolio demonstrating their ability to create responsive and engaging interfaces that meet user needs while achieving its goals.

Vision

Visual Communication Design Study Program which produces world-class designers who are able to foster and empower the community, have expertise in the field of creative technology while still promoting the values of local wisdom as its trademark.

Mission

The missions of Interactive Design and Technology Program are:

1. Educate prospective visual communication designers who are committed to a professional attitude and are aware of local values
2. Prepare students to be able to occupy strategic positions and be recognized in the industrial / professional world while still upholding professional ethics and being able to contribute to Indonesian society.
3. Fostering cooperative relationships with various parties both national and international to always maintain the proficiency of the knowledge for the students.

Program Objective

The objectives of the program are:

1. Providing graduates with global-mind set who have Visual Communication Design knowledge that carrying the values of local wisdom, interactive technology and entrepreneurship
2. Working and being accepted by the creative industry, society and the nation through the application of knowledge that utilizing with communication and information technology.

Student Outcomes

After completing the study, graduates are:

1. Able to create printed and digital Visual Communication Design (VCD) works that have added values and aesthetics, to overcome problems of identity, mass communication, and competition faced by stakeholders
2. Able to conduct research and idea exploration to set the objectives, communication targets, and Visual Communication Design (VCD) prototype solutions that can overcome problems of identity, mass communication, and competition by considering the aspects of ethical, historical, cultural, social consequences, regulations and technology
3. Able to analyze efficiency of material utilization and time in the production process of each selected alternative solution prototype of Visual Communication Design (VCD), without changing the essence and aesthetic design.
4. Able to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.

5. Able to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline
6. Able to communicate effectively in a variety of professional contexts.
7. Able to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
8. Able to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
9. Able to support the delivery, use, and management of information systems within an information systems environment.
10. Able to develop UI and UX design to support IS development.
11. Able to apply interdisciplinary knowledge and skills in developing alternative solutions for problem solving

Prospective Career of the Graduates

1. Digital Business Specialist
2. System Analyst
3. System Developer
4. Informatio System Consultant
5. Researcher
6. UI Designer
7. UX Designer
8. Creative Director
9. Human Computer Interaction Designer
10. Entrepreneur
11. Creative Consultant
12. Digital Artist
13. Branding Consultant
14. Intellectual Property Creator

Curriculum

The curriculum of IDT aims to bridge the gap between creativity and functionality, ensuring students can create digital products that not only look appealing but also offer seamless user experiences. Whether working on mobile apps, websites, or software, students will learn to apply design principles that prioritize usability and accessibility. The curriculum offers a practical approach, with projects that mirror real-world challenges in the UI/UX industry. This program emphasizes the importance of user research and usability testing, enabling students to make informed design decisions based on actual user data. By conducting user interviews, surveys, and A/B testing, students will develop the ability to create designs that are not only aesthetically pleasing but also functionally effective. Upon completion of the program, graduates will be well-equipped for careers in UI/UX design, digital product design, and interaction design. They will have built a strong portfolio showcasing their ability to create user-friendly interfaces that solve real-world problems. Whether they aim to work for tech companies, start-ups, or design agencies, the skills and experiences gained through the UI/UX and Design Learning program will position them as competitive candidates in a fast-growing and dynamic field.

Course Structure

Sem	Code	Course Name	SCU	Total
1	LANG6117006	Indonesian (AOL)	2	20
	COSC6060006	Foundation of Artificial Intelligence	2	
	DSIN6004006	Drawing for Design[2]	4	
	DSIN6005006	Material and Colors in Visual Design[1] (AOL)	4	
	ISYS6896003	Information Systems Management, Strategy and Acquisition	4	
	ISYS6901003	Enterprise Business Process (AOL)	4	
	Foreign Language Courses		0	
2	CHAR6030006	Character Building: Pancasila (AOL)	2	20
	DSIN6026006	Eastern Art Review	2	
	DSIN6027006	Western Art Review[1]	2	
	ISYS6898003	Algorithm and Programming (AOL)	2/2	
	ISYS6894003	IT Infrastructure & Emerging Technology	4	
	ISYS6338003	Testing & System Implementation[1] (AOL)	2	
	DSIN6021006	Computer Graphic I[1]	4	
	Foreign Language Courses		0	
3	CHAR6031006	Character Building: Kewarganegaraan (AOL)	2	24
	DSIN6028006	Typography[2]	4	
	DSIN6022006	Photography[2] (AOL)	4	
	DSIN6023006	Visual Communication Design I (AOL)	4	
	ISYS6892003	Database Fundamental[1&2] (AOL)	4/2	
	DSIN6024006	Computer Graphic II[2]	4	
	Foreign Language Courses			
4	CHAR6032006	Character Building: Agama (AOL)	2	24
	ENPR6315002	Creativity and Innovation (AOL)	2	
	DSIN6029006	Visual Communication Design II[2] (AOL)	4	
	DSIN6030006	Visual Communication Design Review[1]	2	
	INFS6068003	Data & Information Management (AOL)	2	
	INFS6069003	Fundamental of Mathematics & Statistics	2	
	ISYS6596003	User Experience Research & Design (AOL)	4/2	
	ISYS6902003	Research Methods in Information Systems	4	
	Foreign Language Courses		0	
5[3]	ENPR6316002	Venture Creation (AOL)	2	24
	DSIN6125006	Creative Design Workshop	4	
	COSC6050003	Programming for Business (AOL)	2/2	
	ISYS6893003	Information Systems Analysis and Design (AOL)	4/2	
	ISYS6895003	Data Modelling	2/2	
	ISYS6256003	Information Systems Project Management (AOL)	4	
6[3]	DSIN6126006	Design Methods	4	24
	ISYS6899003	Minor Project in Information Systems	4	

Sem	Code	Course Name	SCU	Total
	ISYS6900003	IT Governance & Security	4	
	ISYS6671003	Interaction Design: Physical Computing (AOL)	2	
	ISYS6897003	Digital Innovation	2	
	DSIN6127006	Principles of Interaction Design	4	
	Free Electives		4	
7	**Enrichment Program I**		20	
8	**Enrichment Program II**		20	
9	DSGN6943006	Pre-Thesis	2	6
	DSGN6044006	Thesis	4	
	DSIN6143006	Thesis	6	
				Total Credits 182 SCU

1) This course is delivered in English
2) Global Learning System course
3) Will be conducted in BINUS Jakarta

Foreign Language Courses:
Students will take foreign language courses according to Beelingua Placement Test results. See foreign language courses appendix for the details. Students must pass with a minimum Grade of C.

Appendix Foreign Language Courses

Foreign Language Courses		SCU
ENGL6268006	English for Frontrunners	0
ENGL6269006	English for Independent Users	0
ENGL6267006	English for Professionals	0
JAPN6208006	Basic Japanese Language*	0
CHIN6185006	Basic Chinese Language*	0
KORE6003006	Basic Korean Language*	0
ENGL6310006	English for Specific Purposes*	0

*) This course is optional for students

1. *Students with Beelingua Placement Test score less than 60 are required to take English for Frontrunners and English for Independent Users.*
2. *Students with Beelingua Placement Test score between 60 and 99 are required to take English for Independent Users and English for Professionals.*
3. *Students with Beelingua Placement Test score between 100 and 120 are required to take English for Professionals. Additionally, students may choose to take either Basic Japanese Language, Basic Chinese Language, Basic Korean Language or English for Specific Purposes (ESP).*
4. *Students are required to pass the foreign language courses before they take enrichment.*
5. *Students can see the requirements to pass the foreign language courses at BINUSMAYA – Beelingua*

Appendix: Free Electives

No	Course Owner Department	Course Code	Course Name	SCU	Semester
1	Tourism Destination	BUSS6137022	Tourism E-Business	4	6
2	Management	BUSS6191005	Export-Import Management	2	6
3	Management	BUSS6222005	Export-Import Cost Management	2	6

No	Course Owner Department	Course Code	Course Name	SCU	Semester
4	Communication	COMM6613019	Introduction to Media Industry	2	6
5	Computer Science	COMP6549001	Software Security	2	6
6	Computer Science	COMP6800001	Human and Computer Interaction	2/1	6
7	Computer Science	COMP7128001	Game Design	2	6
8	Visual Communication Design	DSGN6651007	Photography	4	6
9	Interior Design	DSGN6888008	Interior Accessories Design	2	6
10	English Literature	ENGL6244024	Social Media Broadcasting	4	6
11	Film	FILM6080009	Southeast Asian Cinema & Popular Culture	4	6
12	Hotel Management	HTMN6027021	Service Management	4	6
13	Hotel Management	HTMN6145021	Revenue Management in Hospitality	2	6
14	International Relations	INTR6148029	Multinational Corporations Global Strategy and Social Responsibility	2/2	6
15	International Relations	INTR6158029	Indonesia's Defense and Security Policy	2	6
16	International Relations	INTR6162029	Multiculturalism and Digital Society	2	6
17	Industrial Engineering	ISYE6041011	Engineering Economy	2	6
18	Industrial Engineering	ISYE6113011	Leadership & Organizational Behavior	2	6
19	Industrial Engineering	ISYE6181011	System Engineering & Analysis	2	6
20	Information Systems	ISYS6574003	Information Retrieval	4	6
21	Information Systems	ISYS6606003	Smart Application	2	6
22	Japanese Literature	JAPN6150025	Ideas and Images of Japanese Culture (Nihon Bunka Aidea to Imeeji)	2	6
23	Japanese Literature	JAPN6173025	Contemporary Japanese Society Through Various Perspective (Nihon Shakai e no Kangaekata)	2	6
24	Law	LAWS6159005	Legal Aspect in Business	2	6
25	Mathematics	MATH6187016	Machine Learning	2/1	6
26	Management	MGMT6365005	Current Issue in Service Business and Technology	2	6
27	Management	MGMT6455005	Servitization and Customer Experience Management	2	6
28	Management	MGMT6456005	Fundamentals of Supply Chain Management	4	6
29	Management	MGMT6458005	Global Supply Chain Management	2	6
30	Management	MKTG6237005	Global Strategic Marketing : Asia Pacific Perspective	4	6
31	Management	MKTG6270005	Retail and Omni Channel	2	6
32	Management	MKTG6321005	Marketing Data Analytics	4	6
33	Psychology	PSYC6123027	Educational Psychology	2	6

No	Course Owner Department	Course Code	Course Name	SCU	Semester
34	English Literature	SOCS6021024	Social and Digital Media Writing	2	6
35	Accounting	TAXN6055020	Customs, Export and Import Tax Planning	2	6
36	Tourism Destination	TRSM6140022	Tourism Law and Regulation	2	6
37	Tourism Destination	BUSS6137022	Tourism E-Business	4	6
38	Management	BUSS6191005	Export-Import Management	2	6
39	Management	BUSS6222005	Export-Import Cost Management	2	6
40	Communication	COMM6613019	Introduction to Media Industry	2	6
41	Computer Science	COMP6549001	Software Security	2	6
42	Computer Science	COMP6800001	Human and Computer Interaction	2/1	6
43	Computer Science	COMP7128001	Game Design	2	6
44	Visual Communication Design	DSGN6651007	Photography	4	6
45	Interior Design	DSGN6888008	Interior Accessories Design	2	6
46	English Literature	ENGL6244024	Social Media Broadcasting	4	6
47	Film	FILM6080009	Southeast Asian Cinema & Popular Culture	4	6
48	Hotel Management	HTMN6027021	Service Management	4	6
49	Hotel Management	HTMN6145021	Revenue Management in Hospitality	2	6
50	International Relations	INTR6148029	Multinational Corporations Global Strategy and Social Responsibility	2/2	6
51	International Relations	INTR6158029	Indonesia's Defense and Security Policy	2	6
52	International Relations	INTR6162029	Multiculturalism and Digital Society	2	6
53	Industrial Engineering	ISYE6041011	Engineering Economy	2	6
54	Industrial Engineering	ISYE6113011	Leadership & Organizational Behavior	2	6
55	Industrial Engineering	ISYE6181011	System Engineering & Analysis	2	6
56	Information Systems	ISYS6574003	Information Retrieval	4	6
57	Information Systems	ISYS6606003	Smart Application	2	6
58	Japanese Literature	JAPN6150025	Ideas and Images of Japanese Culture (Nihon Bunka Aidea to Imeeji)	2	6
59	Japanese Literature	JAPN6173025	Contemporary Japanese Society Through Various Perspective (Nihon Shakai e no Kangaekata)	2	6
60	Law	LAWS6159005	Legal Aspect in Business	2	6
61	Mathematics	MATH6187016	Machine Learning	2/1	6
62	Management	MGMT6365005	Current Issue in Service Business and Technology	2	6
63	Management	MGMT6455005	Servitization and Customer Experience Management	2	6

No	Course Owner Department	Course Code	Course Name	SCU	Semester
64	Management	MGMT6456005	Fundamentals of Supply Chain Management	4	6
65	Management	MGMT6458005	Global Supply Chain Management	2	6
66	Management	MKTG6237005	Global Strategic Marketing : Asia Pacific Perspective	4	6
67	Management	MKTG6270005	Retail and Omni Channel	2	6
68	Management	MKTG6321005	Marketing Data Analytics	4	6
69	Psychology	PSYC6123027	Educational Psychology	2	6
70	English Literature	SOCS6021024	Social and Digital Media Writing	2	6
71	Accounting	TAXN6055020	Customs, Export and Import Tax Planning	2	6
72	Tourism Destination	TRSM6140022	Tourism Law and Regulation	2	6

Enrichment Program I (7th Semester) & Enrichment Program II (8th Semester):
-) *Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.*

Enrichment Track Scheme

Track	Semester 7							Semester 8						
	IN	RS	EN	CD	SA	IS	etc	IN	RS	EN	CD	SA	IS	etc
1	v							v						
2	v								v					
3	v									v				
4	v										v			
5	v											v		
6	v												v	
7		v						v						
8			v					v						
9				v				v						
10					v			v						
11						v		v						

Note:

IN	: Company Internship	SA	: Study Abroad
RS	: Research Fellowship	IS	: Specific Independent Study
EN	: Entrepreneurship	etc	: Study Program Special Purposes
CD	: Community Impact Internship		

Description:
Student will take one of enrichment program tracks

Students who failed in Enrichment Program I can retake with the same track or change into another track. As for

Enrichment Program II, student who failed with Company Internship, Research Fellowship, Community Impact Internship, and Study Abroad track on Enrichment Program II, can retake with the same track or change into another track. However students who take **Entrepreneurship** track on Enrichment Program II, should **retake with another track.**

Company Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			20
DSIN6034006	Experience in Industry	8	
DSIN6035006	Business & Professional Communication	8	
DSIN6036006	Requirement and Solution for Interactive Design Technology	4	
Enrichment Program II			20
DSIN6037006	Professional Program in Industry	8	
DSIN6038006	Business Ethic and Social Responsibility	8	
DSIN6039006	Design and Evaluation for Interactive Design Technology	4	

Research Fellowship Track

Code	Course Name	SCU	Total
Enrichment Program I			20
RSCH6308006	Research Experience	8	
RSCH6699006	Scientific Writing in Interactive Design and Technology Research	8	
RSCH6700006	Interactive Design and Technology for Global Employability and Entrepreneurial Skills	4	

Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I/II			20
ENPR6209006	New Venture Initiation in Interactive Design and Technology	8	
ENPR6210006	Product Development Process for Interactive Design and Technology	8	
ENPR6211006	EES in New Interactive Design and Technology Business	4	

Community Impact Internship Track

Code	Course Name	SCU	Total
Enrichment Program I/II			20
CMDV6215006	Community Outreach Project Implementation	8	
CMDV6457006	Community Outreach Project Design in Interactive Design and Technology	8	
CMDV6458006	Employability and Entrepreneurial Skills in Interactive Design and Technology	4	

Study Abroad Track

Code	Course Name	SCU	Total
Enrichment Program I/II			20
GLOB6093006	Elective Course for Study Abroad 1	4	
GLOB6094006	Elective Course for Study Abroad 2	4	
GLOB6095006	Elective Course for Study Abroad 3	4	
GLOB6096006	Elective Course for Study Abroad 4	4	
GLOB6105006	Elective Course for Study Abroad 13	4	
GLOB6097006	Elective Course for Study Abroad 5	2	
GLOB6098006	Elective Course for Study Abroad 6	2	
GLOB6099006	Elective Course for Study Abroad 7	2	
GLOB6100006	Elective Course for Study Abroad 8	2	
GLOB6101006	Elective Course for Study Abroad 9	2	
GLOB6102006	Elective Course for Study Abroad 10	2	
GLOB6103006	Elective Course for Study Abroad 11	2	
GLOB6104006	Elective Course for Study Abroad 12	2	
GLOB6109006	Elective Course for Study Abroad 17	2	
GLOB6110006	Elective Course for Study Abroad 18	2	

**) Transferred courses will be transferred based on credit transfer policies on study program with total of 20 credits*

Specific Independent Study Track

Code	Course Name	SCU	Total
Elective courses list for Specific Indenpendent Study*			20
CSIS6198006	Course Certification I	3	
CSIS6199006	Technical Skill Enrichment I	4	
CSIS6200006	Industrial Project I	9	
CSIS6201006	Soft Skill Enrichment I	4	
CSIS6202006	Elective Course for Specific Independent Study 1	8	
CSIS6203006	Elective Course for Specific Independent Study 2	8	
CSIS6204006	Elective Course for Specific Independent Study 3	6	
CSIS6205006	Elective Course for Specific Independent Study 4	6	
CSIS6206006	Elective Course for Specific Independent Study 5	6	
CSIS6207006	Elective Course for Specific Independent Study 6	5	

Code	Course Name	SCU	Total
CSIS6208006	Elective Course for Specific Independent Study 7	5	
CSIS6209006	Elective Course for Specific Independent Study 8	5	
CSIS6210006	Elective Course for Specific Independent Study 9	5	
CSIS6211006	Elective Course for Specific Independent Study 10	4	
CSIS6212006	Elective Course for Specific Independent Study 11	4	
CSIS6213006	Elective Course for Specific Independent Study 12	4	
CSIS6214006	Elective Course for Specific Independent Study 13	4	
CSIS6215006	Elective Course for Specific Independent Study 14	4	
CSIS6216006	Elective Course for Specific Independent Study 15	3	
CSIS6217006	Elective Course for Specific Independent Study 16	3	
CSIS6218006	Elective Course for Specific Independent Study 17	3	
CSIS6219006	Elective Course for Specific Independent Study 18	3	
CSIS6220006	Elective Course for Specific Independent Study 19	3	
CSIS6221006	Elective Course for Specific Independent Study 20	3	
CSIS6222006	Elective Course for Specific Independent Study 21	2	
CSIS6223006	Elective Course for Specific Independent Study 22	2	
CSIS6224006	Elective Course for Specific Independent Study 23	2	
CSIS6225006	Elective Course for Specific Independent Study 24	2	
CSIS6226006	Elective Course for Specific Independent Study 25	2	
CSIS6227006	Elective Course for Specific Independent Study 26	2	
CSIS6228006	Elective Course for Specific Independent Study 27	2	
CSIS6229006	Elective Course for Specific Independent Study 28	2	
CSIS6230006	Elective Course for Specific Independent Study 29	1	
CSIS6231006	Elective Course for Specific Independent Study 30	1	
CSIS6232006	Elective Course for Specific Independent Study 31	1	
CSIS6233006	Elective Course for Specific Independent Study 32	1	

**) For students who take BINUS specific independent study courses, they should take the first 4 courses on the list above (20 credits). Meanwhile, electives courses 1 to 32 are transferred courses for students who take specific independent study courses outside BINUS University. Transferred courses will be transferred based on credit transfer policies on study program with total of 20 credits*

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	ISYS6901003	Enterprise Business Process	C
2.	DSIN6005006	Material and Colors in Visual Design	C
3.	CHAR6030006	Character Building: Pancasila	B
4.	DSIN6023006	Visual Communication Design I	C
5.	ISYS6892003	Database Fundamental	C
6.	ISYS6198003	Data and Information Management	C
7.	DSIN6029006	Visual Communication Design II	C
8.	ISYS6893003	Information Systems Analysis and Design	C
9.	ISYS6256003	Information Systems Project Management	C
10.	ENPR6316002	Venture Creation	C
11.	ISYS6899003	Minor Project in Information Systems	C
12.	DSIN6126006	Design Methods	C
13.	ISYS6671003	Interaction Design: Physical Computing	C

BINUS UNIVERSITY