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 hands-on 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 (or Learning Goals only for BBS Program)

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

After graduating from the Interactive Design and Technology Program :

1. Digital Business Specialist
2. System Analyst
3. System Developer
4. Information System Consultant
5. Researcher
6. UI Designer
7. UX Researcher
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 Structures

Sem	Code	Course Name	SCU	Total
1	LANG6117006	Indonesian	2	20
	DSIN6004006	Drawing for Design[2]	4	
	DSIN6005006	Material and Colors in Visual Design[1]	4	
	ACCT6471002	Introduction to Financial Accounting	2	
	ISYS6093003	Information System Concept[1&2]	4	
	ISYS6186003	Business Process Fundamental[1&2]	4	
	Foreign Language Courses		0	
2	CHAR6030006	Character Building: Pancasila	2	20
	DSIN6026006	Eastern Art Review	2	
	DSIN6027006	Western Art Review[1]	2	
	DSIN6028006	Typography[2]	4	
	COMP6956004	Introduction to Programming	2/2	
	ISYS6123003	Introduction to Database Systems[1&2]	2/2	
	ISYS6675003	Information Technology Infrastructure	2	
	Foreign Language Courses		0	
3	CHAR6031006	Character Building: Kewarganegaraan	2	24
	ENTR6519002	Entrepreneurship: Ideation	2	
	DSIN6021006	Computer Graphic I[1]	4	
	DSIN6022006	Photography[2]	4	
	DSIN6023006	Visual Communication Design I	4	
	ISYS6126003	Enterprise System[1&2]	4	
	ISYS6478003	Research Methods in Information Systems	2	
	ISYS6338003	Testing and System Implementation[1&2]	2	
	Foreign Language Courses		0	
4	CHAR6032006	Character Building: Agama	2	24
	ENTR6520002	Entrepreneurship: Prototyping	2	
	DSIN6029006	Visual Communication Design II[2]	4	
	DSIN6030006	Visual Communication Design Review[1]	2	
	ISYS6842003	Information Systems Analysis and Design	4/2	
	ISYS6197003	Business Application Development	2/2	
	ISYS6198003	Data and Information Management[2]	4	
	Foreign Language Courses		0	
5[3]	ENTR6521002	Entrepreneurship: Market Validation	2	24
	ISYS6674003	Knowledge Management	2	
	DSIN6024006	Computer Graphic II[2]	4	
	ISYS6596003	User Experience Research and Design[2]	4/2	
	ISYS6843003	Advanced Information System Analysis and Design[2]	4/2	

	ISYS6256003	Information Systems Project Management[1&2]	4	
6[3]	DSIN6025006	Illustration Design	4	24
	ISYS6538003	Advanced in Business Application Development[2]	4/2	
	ISYS6671003	Interaction Design: Physical Computing	2	
	Free Electives		12	
7	**Enrichment Program I**		20	20
8	**Enrichment Program II**		20	20
9	DSGN6943006	Pre-Thesis	2	6
	DSGN6044006	Thesis	4	
			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 BINUS University English proficiency test results. See foreign language courses appendix for the details. Students must pass with a minimum Grade of C.

Pre-thesis (2 SCU) & Thesis (4 SCU) can be taken in the 7th and/or 8th semester by the students who meet the requirements from the Study Program/Program

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

1. Students with Binus University English Proficiency Test score less than 437 are required to take English for Frontrunners and English for Independent Users.
2. Students with Binus University English Proficiency Test score less than 520 are required to take English for Independent Users and English for Professionals.
3. Students with Binus University English Proficiency Test score equal to or greater than 520 are required to take English for Professionals. Additionally, students may choose to take either Basic Japanese Language or Basic Chinese Language.
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.

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				

No												
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	: Certified Internship	SA	: Certified Study Abroad
RS	: Certified Research	IS	: Certified Specific Independent Study
EN	: Certified Entrepreneurship	FS	: Further Study
CD	: Certified Community Development	etc	: Study Program Special Purposes

Description:

Student will take one of enrichment program tracks

Certified Internship Track

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

Certified Research Track

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

Certified Entrepreneurship Track

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

Certified Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I/II			20

Code	Course Name	SCU	Total
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	

Certified Study Abroad Track

Code	Course Name	SCU	Total
Enrichment Program I/II			
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	20
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

Certified Specific Indenpendent Study Track

Code	Course Name	SCU	Total
Elective courses list for Specific Indenpendent Study*			
Enrichment Program I/II			
MICR6145006	Course Certification I	3	
MICR6146006	Technical Skill Enrichment I	4	
MICR6147006	Industrial Project I	9	
MICR6148006	Soft Skill Enrichment I	4	
MICR6149006	Elective Course for Specific Independent Study 1	8	
MICR6150006	Elective Course for Specific Independent Study 2	8	
MICR6151006	Elective Course for Specific Independent Study 3	6	
MICR6152006	Elective Course for Specific Independent Study 4	6	
MICR6153006	Elective Course for Specific Independent Study 5	6	
MICR6154006	Elective Course for Specific Independent Study 6	5	
MICR6155006	Elective Course for Specific Independent Study 7	5	
MICR6156006	Elective Course for Specific Independent Study 8	5	
MICR6157006	Elective Course for Specific Independent Study 9	5	
MICR6158006	Elective Course for Specific Independent Study 10	4	
MICR6159006	Elective Course for Specific Independent Study 11	4	
MICR6160006	Elective Course for Specific Independent Study 12	4	
MICR6161006	Elective Course for Specific Independent Study 13	4	
MICR6162006	Elective Course for Specific Independent Study 14	4	20
MICR6163006	Elective Course for Specific Independent Study 15	3	
MICR6164006	Elective Course for Specific Independent Study 16	3	
MICR6165006	Elective Course for Specific Independent Study 17	3	
MICR6166006	Elective Course for Specific Independent Study 18	3	
MICR6167006	Elective Course for Specific Independent Study 19	3	
MICR6168006	Elective Course for Specific Independent Study 20	3	
MICR6169006	Elective Course for Specific Independent Study 21	2	
MICR6170006	Elective Course for Specific Independent Study 22	2	
MICR6171006	Elective Course for Specific Independent Study 23	2	
MICR6172006	Elective Course for Specific Independent Study 24	2	
MICR6173006	Elective Course for Specific Independent Study 25	2	
MICR6174006	Elective Course for Specific Independent Study 26	2	
MICR6175006	Elective Course for Specific Independent Study 27	2	
MICR6176006	Elective Course for Specific Independent Study 28	2	
MICR6177006	Elective Course for Specific Independent Study 29	1	
MICR6178006	Elective Course for Specific Independent Study 30	1	
MICR6179006	Elective Course for Specific Independent Study 31	1	
MICR6180006	Elective Course for Specific Independent Study 32	1	

*) For students who take BINUS certified 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

certified 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.	CHAR6030006	Character Building: Pancasila	B
2.	ENTR6521002	Entrepreneurship: Market Validation	C
3.	ISYS6126003	Enterprise System	C
4.	ISYS6535003	Information Systems Analysis and Design*	C
5.	ISYS6198003	Data and Information Management*	C
6.	ISYS6256003	Information Systems Project Management	C
7.	DSIN6005006	Material and Colors Visual Design	C
8.	DSGN6816006	Visual Communication Design I	C
9	DSGN6819006	Visual Communication Design II	C
10	ISYS6671003	Interaction Design: Physical Computing	C

*) Tutorial and Multipaper