

(For students admitted in 2018-19 under the 4-year degree)

BSc in Integrative Systems and Design

In addition to the requirements of their major programs, students are required to complete the University requirements for graduation. For details please refer to the respective section on this website.

Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 9 credits of these courses to count towards both Requirements.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Major Requirements

Required Course(s)

			Credit(s) attained
ISDN	1002	Redefining Problems for the Real Needs	3
ISDN	1003**	Strategic Innovation	1
ISDN	1004	Sketching	1
ISDN	1005**	Creative Strategies	1
ISDN	2001	Second Year Design Project I	1
ISDN	2002	Second Year Design Project II	4
ISDN	2200	Systems Thinking and Design	3
ISDN	2300	Digital Design	3
ISDN	2400	Physical Prototyping	3
ISDN	3001	Third Year Design Project I	4
ISDN	3002	Third Year Design Project II	4
ISDN	4001	Final Year Design Project I	5
ISDN	4002	Final Year Design Project II	5
LANG	2030	Technical Communication I	3
LANG	4032	Technical Communication II for IEDA and ISDN	3

Elective(s)

			Minimum credit(s) required
ISDN/ENGG/ IEDA		Design Electives (Courses from the specified elective list)	5
ISDN	2000	What is Design and Why Design?	3
ISDN	2500	Introduction to Systems Design Engineering	3

ISDN	3100	Design for Sustainability	2
ISDN	3200	Graphic Design	2
ISDN	3300	Interaction Design	2
ISDN	3350	Global Product Development	3
ISDN	4300	Materials Selection in Product Design	3
ISDN	4320	Design Thinking	3
ENGG	1300	Design Thinking for Health Innovation	3
IEDA	2150	Product Design	3
IEDA	4650	Engineering Psychology	3
ISDN/ENTR/ IEDA/SBM		Product Management Electives (Courses from the specified elective list)	9
ISDN	3350	Global Product Development	3
ISDN	3360	From Product Innovations to Successful Technology Startups	3
ISDN	4200	Product Management	3
ENTR	3100	Industrial Landscape: Understanding the Elements to Start a Business	3
IEDA	4170	Product Design and Lifecycle Management	3
FINA	2203	Fundamentals of Business Finance	3
ISOM	1380	Technology and Innovation: Social and Business Perspectives	3
ISOM	2030	Business Protections for Innovations	3
ISOM	2700	Operations Management	3
ISOM	4020	Innovation Management and Technology Entrepreneurship	3
MARK	2120	Marketing Management	3
ISDN		Project-related Electives (Courses from the specified elective list. Students should seek approval of their advisor for the choices of courses.)	29

****Remarks on course(s):**

- ISDN 1003: The course was last offered in 2018-19 and was deleted subsequently.
- ISDN 1005: The course was last offered in 2018-19 and was deleted subsequently.