

(For all students in the Program)

Undergraduate Minor Program in Design

Except for those studying in the BSc program in Integrative Systems and Design, any undergraduate students with an overall CGA of 2.5 or above may enroll in this Minor Program. Students must declare their intention to enroll in the Minor Program no earlier than the first regular term of their second year of study but no later than the last day of the add/drop period in the first regular term of their final year of study. Students who wish to withdraw from the Minor Program should apply before the last day of the add/drop period in the last regular term of their final year of study.

Minor Requirements

To graduate with a minor in Design, the students must have enrolled in the Minor Program and completed a minimum total of 18 credits and all of its requirements, as well as all the requirements of their major program of study.

For credit transfer, students can transfer a maximum total of 6 credits to the Minor Program.

Out of the total credits required by the minor program, at least 9 credits should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Students may use no more than 6 credits earned from courses offered in self-paced 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.

Some courses in the curriculum have been previously coded with CORE-prefix where the special CORE-prefix has been replaced by the domain code of courses starting from Fall 2023-24. Students who have registered with these CORE-coded courses may look up their latest course codes by consulting the conversion table published on the Common Core website.

Required Course(s)

			Credit(s) attained
ISDN/ENGG		Note: Design Fundamentals: ISDN 1002 <u>OR</u> ISDN 1006 <u>OR</u> ISDN 1100 <u>OR</u> ENGG 1300	3
ISDN	1002	Redefining Problems for the Real Needs	3
ISDN	1006	Human-centered Innovation	3
ISDN	1100	Experiencing Design	3
ENGG	1300	Design Thinking for Health Innovation	3
ISDN		Note: Design: ISDN 2000 <u>OR</u> ISDN 2200 <u>OR</u> ISDN 2300 <u>OR</u> ISDN 2400 <u>OR</u> ISDN 2500 (2 courses out of 5)	6
ISDN	2000	What is Design and Why Design?	3
ISDN	2200	Systems Thinking and Design	3
ISDN	2300	Introduction to 3D Design	3
ISDN	2400	Physical Prototyping	3
ISDN	2500	Introduction to Systems Design Engineering	3
ISDN		Note: Design Project Experience: ISDN 3350 <u>OR</u> ISDN 3360	3
ISDN	3350	Global Product Development	3
ISDN	3360	From Product Innovations to Successful Technology Startups	3

Elective(s)	Minimum credit(s) required
AIS	6
Design Electives (Courses from the specified list. Students are required to take a minimum total of 6 credits. At least 3 credits must be at 3000-level or above and no more than 3 credits can be taken at 1000-level. Courses taken as Required courses may not be counted toward the elective requirement.)	
Courses offered by the Academy of Interdisciplinary Studies	
ISDN 1002	3
ISDN 1006	3
ISDN 2000	3
ISDN 2200	3
ISDN 2300	3
ISDN 2400	3
ISDN 2500	3
ISDN 3200	2
ISDN 3300	3
ISDN 3350	3
ISDN 3360	3
ISDN 4200	3
ENVR 1080	3
ENVR 3003	3
ENVR 3004	3
ENVR 3110	3
ENVR 3210	3
ENVR 4220**	3
Courses offered by the School of Science	
CHEM 1002	3
PHYS 1003	3
Courses offered by the School of Engineering	
CENG 1600	3
CENG 2110	3
COMP 1943	3
COMP 3711	3
COMP 4451	3
COMP 4461	3
COMP 4521	3
ELEC 1020**	3
ELEC 1100	4
ELEC 3300	4
ELEC 3500	4
ELEC 4310	4

Academy of Interdisciplinary Studies - Undergraduate Minor Program in Design

ENGG	1300	Design Thinking for Health Innovation	3
IEDA	2100	Computing in Industrial Applications	3
IEDA	2150	Product Design	3
IEDA	3130	Ergonomics and Safety Management	3
IEDA	4170**	Product Design and Lifecycle Management	3
IEDA	4650	Engineering Psychology	3
MECH	2520	Design and Manufacturing I	3
MECH	3510	CAD/CAM	3
MECH	3520	Design and Manufacturing II	3
MECH	3620	Aircraft Design	3
MECH	3907	Mechatronic Design and Prototyping	3

Courses offered by the School of Business and Management

ISOM	1380	Technology and Innovation: Social and Business Perspectives	3
ISOM	2030	Business Protections for Innovations	3
ISOM	2700	Operations Management	3
ISOM	3210	Information Systems Analysis and Design	3
MARK	2120	Marketing Management	3
MARK	3220	Marketing Research	4
MARK	3420	Consumer Behavior	4

Courses offered by the School of Humanities and Social Science

HART	1001	Arts and Creativity	2
HART	1034	Light and Art	1
HART	1036	Introduction to Graphic Design	1
HUMA	2680	Understanding Western Architecture	3
HUMA	3201	Animation: A Global Perspective	3
SOSC	2170**	Environment, Sustainability and Business: A Design Approach	3
SOSC	3260	Sustainability Science: Policy Problems and Perspectives	3

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

- ELEC 1020: The course was last offered in 2018-19 and was deleted subsequently.
- ENVR 4220: The course was last offered in 2018-19 and was deleted subsequently.
- IEDA 4170: The course was last offered in 2016-17 and was deleted subsequently.
- SOSC 2170: The course was last offered in 2018-19 and was deleted subsequently.