(For students admitted in 2023-24 under the 4-year degree)

Extended Major Program in Digital Media and Creative Arts

Extended Major is an add-on element to enrich the existing majors. Students should declare their Extended Major via the Opt-in Arrangement after they have been admitted to HKUST. Students who wish to withdraw from the Extended Major should apply before the last day of the add/drop period in the first regular term of their final year of study.

The Extended Major in Digital Media and Creative Arts is available for combination with Science Majors (BSc programs in Mathematics, Ocean Science and Techonology), Engineering Majors (BEng/BSc programs in Aerospace Engineering, Civil and Environmental Engineering, Civil Engineering, Computer Engineering, Computer Science, Decision Analytics, Electronic Engineering, Industrial Engineering and Engineering Management, Integrative Systems and Design, and Mechanical Engineering), Business Majors (BBA/BSc programs in Professional Accounting, Economics, Finance, Global Business, Information Systems, Marketing, Management, Operations Management, Economics and Finance, Quantitative Finance, and Risk Management and Business Intelligence) or Humanities and Social Science Major (BSc in Global China Studies: Humanities and Social Science, BSc in Quantitative Social Analysis). It is designed for students with fundamental knowledge in calculus (e.g. MATH 1014/MATH 1020/MATH 1024) and programming [(COMP 1021/COMP 1022P/ISOM 3230) and (COMP 2011/COMP 2012/ COMP 2012H)], but also open to other students, given that they may be required to take one or two additional courses to acquire relevant foundation.

To graduate with an Extended Major in DMCA, students must have enrolled in the Extended Major, complete a minimum of 21 credits and all of its requirements, as well as the requirements of the major program of study; and have attained an average grade point of at least 2.15 in courses taken within the Extended Major. All courses counted towards the Extended Major Requirements, as well as those used to fulfill the Major Requirements, will be included in the calculation of the Major Cumulative Grade Average (MCGA).

Students must take all the Extended Major requirement, within which they must complete at least 12 single-counted credits. These 12 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement. For credit transfer, students can transfer a maximum total of 6 credits to the Extended Major program.

Under the new 30-credit Common Core Program which is applicable to students admitted to the University in 2022-23 and thereafter, courses that have been counted towards School and/or Major Requirements are not allowed to be reused for fulfilment of the University Common Core Requirements. Students should look up the details of the Common Core Program including the general and School-/program-specific distributional requirements posted on the Common Core website where the link to it is available on this website.

Extended Major Requirements

Required Course(s)

				Credit(s) attained
EMIA	2010B		Cross-disciplinary Seminar: Digital Media and Creative Arts	0
EMIA	2020		Cross-disciplinary Design Thinking	3
EMIA	2200		Introduction to Digital Media	3
EMIA			Note: EMIA 4990 OR EMIA 4991	0-3
	EMIA	4990	Interdisciplinary Capstone Design	0
	EMIA	4991	Interdisciplinary Capstone Project	3

Elective(s)

			Minimum credit(s) required
DMCA		DMCA Electives (Courses from the specified elective list. Students opting for EMIA 4990 are required to take a minimum of 15 credits; while those opting for EMIA 4991 a minimum of 12 credits. Out of the electives taken, at least 6 credits should be at 3000-level or above, of which at least 3 credits must be taken from each Course Group. Students are also required to take at least one course from Area 1 in Group 2.)	12-15

Group 1: Digital Media (Note: Students can either take COMP 4462 or DASC 3240, but not both, to count towards this elective requirement.)

EMIA	2220**	Visual Communication	3
EMIA	2230**	Interactive Storytelling	3
EMIA	3220**	Programming for Computational Media and Arts	3
EMIA	4210**	Computational Arts	3
ISDN	2300	Introduction to 3D Design	3
ISDN	2400	Physical Prototyping	3
ISDN	3200	Graphic Communication	2
ISDN	3300	Interaction Design	3
COMP	4421	Image Processing	3
COMP	4431	Multimedia Computing	3
COMP	4441	Computer Music	3
COMP	4451	Game Programming	3
COMP	4461	Human-Computer Interaction	3
COMP	4462	Data Visualization	3
COMP	4471	Deep Learning in Computer Vision	3
COMP	5411	Advanced Computer Graphics	3
COMP	5421	Computer Vision	3
DASC	3240	Data Visualization in Science	3
ELEC	1020**	Media Production: Technology and Design	3
ELEC	4130	Machine Learning on Images	3
MATH	4336	Introduction to Mathematics of Image Processing	3

Group 2: Creative Arts (Note: Students are required to take at least one course in Area 1.)

Area 1: Fundamental

HUMA	1100	Music of the World	3
HUMA	1102	Enjoyment of Classical Music	3
HUMA	1650	Appreciation of Western Art	3
HUMA	1660	Introduction to Chinese Art	3

Area 2: Music

HUMA	1107	Music and Film	3
HUMA	2103	Introduction to Music Composition	3
HUMA	2104	Music Theory I: Introduction to Tonal Music	3

HUMA	2107	Introduction to Electronic Music Composition	3
HUMA	3102	Making Chamber Music A	2
HUMA	3103	Making Chamber Music B	2
HUMA	3104	Music Theory II: Fundamentals of Harmony and Counterpoint	3
HUMA	3105	Making Choral Music	3
HUMA	4000D	Hollywood Goes to Asia: Transnational Asian Media	4

Area 3: Literature and Film

EMIA	2210	Sci-Fi Storytelling	3
HUMA	1210	Chinese Women on Screen	3
HUMA	1300**	Introduction to Western Literature	3
HUMA	2240	Reading Chinese Literature: Dreams of the Red Chamber	3
HUMA	2250	Modern Chinese Fiction (1917-1949)	3
HUMA	2260	Contemporary Chinese Fiction (1949-present)	3
HUMA	2300	Traditional Chinese Poetry: Early Chinese Poetry	3
HUMA	2310	Traditional Chinese Fiction	3
HUMA	2400	Approaches to Humanities in China Studies	3
HUMA	3000C	Entering the World of Art Films, Independent Films, and Documentary Films	3
HUMA	3202	Chinese Creative Writing: Reading Literary Classics and Writing Essays	3
HUMA	3203	Chinese Creative Writing: Reading Literary Classics and Writing Novels	3
HUMA	3210	Traditional Chinese Poetry: Tang and Song Poetry	3
HUMA	3220	Modern Chinese Poetry	3
HUMA	3250	Independent Cinema in Contemporary China	3
HUMA	4000G	Global Hong Kong in Literature and Film	4
HUMA	4250	Masterpieces of Modern Literature	3

Area 4: Design

ISDN	1002	Redefining Problems for the Real Needs	3
ISDN	1004	Sketching	1
ISDN	1006	Human-centered Innovation	3
ISDN	1100	Experiencing Design	3
ISDN	2000	What is Design and Why Design?	3
HUMA	2660	Introduction to Chinese Painting	3
HUMA	2661	Chinese Oil Painting	3
HUMA	2670	Understanding Western Painting	3
HUMA	3660	Tradition & Modernity: Chinese Ink Painting in 20th Century	3

Area 5: Studio and Performing Arts

EMIA	2500A	Technical Theater Arts	3
EMIA	3210**	Science Fiction Filmmaking	3
HUMA	1671	Cantonese Opera in Hong Kong Culture	3
HUMA	1672	Studio Arts Workshops: Cantonese Opera	1
HUMA	2101	Enjoyment of Western Opera	3
HUMA	2105	Music, Drama, and Theatre	3
HUMA	2320	Chinese Drama	3
HART		Any HART courses	

Area 6: Others

HUMA	2680	Understanding Western Architecture	3
HUMA	3150	Independent Study in Creative Arts	1-2
HUMA	3201	Animation: A Global Perspective	3
HUMA	3680	Contemporary Architecture: The Pritzker Prize Winners	3
HUMA	4000E	The Foreigners' Look at China	3
HUMA	4000J	The Search for Identity: On Self and Community	3
HUMA	4220	Verbal and Visual Representation of China	3
ISOM	2030	Business Protections for Innovations	3

**Remarks on course(s):		
-	ELEC 1020:	The course was last offered in 2018-19 and was deleted subsequently.
-	EMIA 2220:	This is a new course subject to approval.
-	EMIA 2230:	This is a new course subject to approval.
-	EMIA 3210:	This is a new course subject to approval.
-	EMIA 3220:	This is a new course subject to approval.
-	EMIA 4210:	This is a new course subject to approval.
-	HUMA 1300:	The course was last offered in 2018-19 and was deleted subsequently.