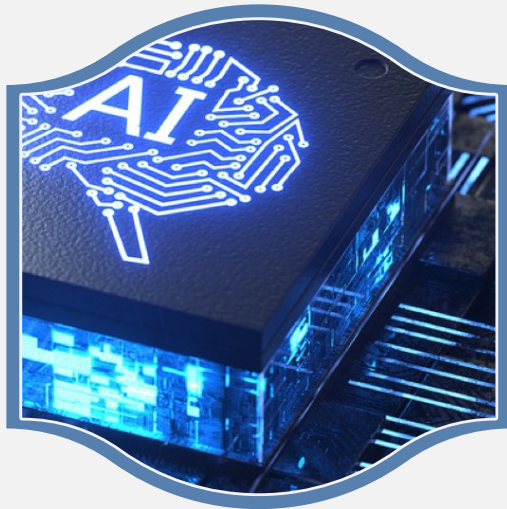


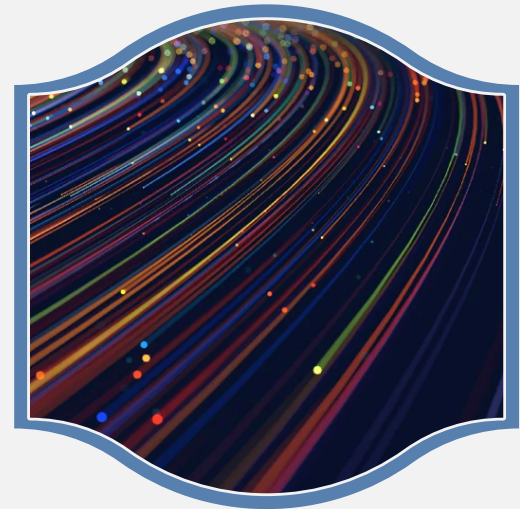
A MULTIDIMENSIONAL ACADEMIC APPROACH TO ENRICH YOUR TRADITIONAL MAJOR



EXTENDED MAJOR PROGRAM



Artificial Intelligence (AI)



Digital Media and Creative Arts (DMCA)

Technology is advancing faster than ever and shaping the rules and future of our society. Society needs talents with multidimensional vision and knowledge who can apply innovative technological skills to solve real-world problems. Division of Emerging Interdisciplinary Areas (EMIA) proposes to enrich existing majors, including future ones in science, engineering, and business, by extending student learning through the Extended Major Program "Major+X".



Innovative



Emerging Area of
Significance



Relevant to
Current Needs



Critical to Future
Breakthroughs



Knowledge of
Various Disciplines



Organic Study
Pattern

A NOVEL ACADEMIC FRAMEWORK

What is Major+X?



The Extended Major provides a more flexible learning mode for students of different disciplines, who can learn solid knowledge from their own majors, as well as innovative applications of "X" in professional fields such as artificial intelligence and other emerging hotspots.

Curriculum Framework

The curriculum of an Extended Major should comprise 21-24 credits, with **TWO** compulsory courses in Cross-disciplinary Seminar and Cross-disciplinary Design Thinking. In addition, the capstone project of the students' Major should include elements of "X". It may be replaced by internship.



Please scan QR Code
for more information



Major+AI

Major+DMCA

- Cross-disciplinary Seminar in AI
- Cross-disciplinary Design Thinking
- Programming with C++
- Fundamentals of AI
- Machine Learning
- 2 to 3 Electives Courses in AI
- Capstone Project
- Cross-disciplinary Seminar in DMCA
- Cross-disciplinary Design Thinking
- Introduction to Digital Media
- One Music/Arts/Literature Course
- 3 to 4 Electives Courses in DMCA
- Capstone Project
- ONLY for HKUST student

Admission Requirements

Major+DMCA will admit HKUST students only. Students will declare their intention to enroll in DMCA via the opt-in arrangement during Year 1 Summer Term or Year 2 Winter Term. For Students interested in Major+AI should declare their extended major when they are admitted to HKUST, or via the opt-in arrangement via respective schools upon admitted to HKUST. Both extended major in AI and DMCA are designed for students with a basic knowledge of Calculus and Computer Science, but are also open to other students who may need to take additional courses to gain the relevant foundation.