



BACHELOR OF ENGINEERING IN DIGITAL MEDIA TECHNOLOGY (DMT)

KPT/JPS [N/481/6/0705] 11/20 [MQA/PA5487]

DURATION

4 years

INTAKE

February / April / September

MEDIUM OF INSTRUCTION

English

ABOUT THE PROGRAMME

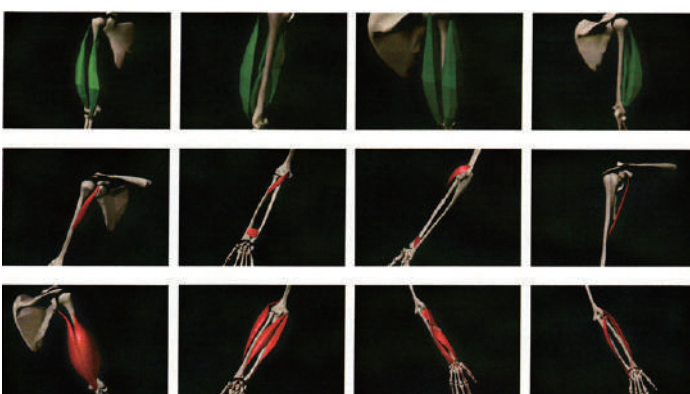
The DMT programme at Xiamen University (XMU) is offered through the Software School, one of the 35 national exemplary software engineering schools approved by China's Ministry of Education. The software school has established joint research and development collaborations with a number of overseas IT enterprises including MICROSOFT, IBM, BEA, ORACLE, SYBASE, SUN and DELL.

The programme focuses on the provision of a strong background in fundamental computing knowledge along with a dose of computer animation, game design and interactive design. We provide advanced and specialised courses such as audio-visual language, augmented reality technology and design, information visualization, big data analytics, etc.

Our programme at Xiamen University Malaysia equips graduates with a solid specialty background that enables them to adapt to the ever-changing digital media technology and operating environment through the analysis, evaluation, design, development, implementation and management of computer animation, computer games, and human-computer interaction software.

Student Work Sample:

Human Arm Muscle Contribution Based on Human Anatomy



PROGRAMME HIGHLIGHTS

- A strong curriculum that covers core fundamental knowledge along with a wide range of elective courses
- An emphasis on interdisciplinary training that encompasses humanities, social sciences, economics and business management
- A combination of creativity and technical knowledge that enables students to develop a meaningful career in the fast-growing and highly competitive digital media sector
- A blend of theoretical knowledge and real-life applications for industry
- Plenty of networking opportunities that connect students with the outside world through multi-media events and seminars

CAREER OPPORTUNITIES

- Computer animation
- Game design and development
- Human-computer interaction design
- Film production and other related fields



Note: The degree is not among the fields of engineering in the register of the Board of Engineers Malaysia.

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ENTRY REQUIREMENTS

STPM	A pass in STPM with at least a Grade C (GP 2.0) in any 2 subjects
A-LEVEL	A pass in A-Level with at least a Grade C in any 2 subjects
UEC	A pass in UEC with at least a Grade B in 5 subjects including Mathematics
Foundation/Matriculation	A pass in Foundation/Matriculation with at least CGPA 2.0 out of 4.0
Diploma	A pass in Diploma in Computer Science/Information System/Information Technology/Software Engineering or equivalent with at least CGPA 2.5* out of 4.0
AND	Mathematics - a credit in SPM or the equivalent

*Note: Applicant with CGPA of less than 2.5 but more than 2.0 may be accepted subject to a stringent internal evaluation process

*For other equivalent qualifications, please consult our programme counsellor.

MAIN COURSES

Computing Mathematics

Computer fundamentals

C and C++ Programming

Principles of Information Systems

Data Structure

Principles of Artificial Intelligence

Introduction of Software Engineering

Computer Architecture

Operating Systems

Database

Fundamentals of Network Technology

Software Architecture and Design Patterns

Computer Graphics

Introduction to Game Design

Fundamentals of Computer Animation

3D Modeling

Algorithm Analysis and Design

Human Computer Interaction

Audio-visual Language

Non-linear Editing

Game Development

XML Design Technology

Virtual Reality

Software Project Management

3D Animation

Digital Synthesis Technology

Online Game Development

Embedded Game Design and Development

Digital Audio Technology

Mobile Application System Design

Information Visualization

Advanced Computer Graphics

Augmented Reality Technology and Design

Big Data Analytics

Game Engine Design

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The information in this brochure is correct at the time of publication. Xiamen University Malaysia (XMUM) reserves the right to change the information in line with updates from time to time. Please check the website (www.xmu.edu.my) for latest information.

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