

**Xiamen University Master's Program in Computer Technology
at School of Information Science and Technology**

1. Name of Programs:

Master's Program in Computer Technology

2. Degree awarded:

Master of Engineering

3. Duration:

2 years

4. Program Objective:

The program provides students the knowledge of how the various computing systems are organized, and the principles which are used to create and apply computing to the wide scope of applications. The skills in research and development will be trained through research activities while those of vital and precious qualities of personal and professional success, such as sharp and logical thinking, the ability to communicate clearly and act coherently with others, will also be honed.

5. Academic Courses (Compulsory or Optional):

Introduction to the Theory of Computation; Computational Intelligence; High Performance Algorithms; Machine Learning; Theory of Computational Complexity; Advanced Software Architecture; Big Data Processing Technology; Data Mining and Analysis; Computer Vision; Advanced Computer Architecture; Information Security; Distributed Programming; Data Science Basic; Advances in Video Analysis; Computational cryptography; Approximation Computation; Cloud Computing Technology.

Note: These courses are subject to changes without prior notice.

6. English Proficiency Requirement:

Applicants should score 80 or above in TOEFL, or alternatively, score 6.0 or above in IELTS. In case that one cannot provide either, other internationally recognized and equivalent certificate may also be sufficient. Native English speakers are exempted from this requirement.

7. Contact information

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