

## ENTRY REQUIREMENTS

### ACADEMIC QUALIFICATION

The candidates who are seeking admission to the program should be:

- A Bachelor Graduate in Computer Science (CS), Software Engineering (SE), Information Systems (IS), Information Technology (IT) or a closely related area.
- Non-IT graduates need to complete prerequisite subjects through additional coursework (Pre-master course).

### HOW TO APPLY

In order to apply for the Master of International Software Engineering program, candidates must submit all of the following documents for admission evaluation

FPT University Application Form

Highest qualification (Bachelor degree) - Certification & Transcript

Proof of English proficiency (IELTS/TOEFL) (for non-native English speaking candidates only)

Curriculum Vitae/Resume

International Passport

Passport photograph (3x4cm)

Health Check Certificate (taken within the last 06 months)

### ENGLISH PROFICIENCY

Success at FU begins with a strong comprehension of the English language. Because our rigorous courses are taught in English and move at a fast pace, fluency in the language is necessary for understanding concepts and expressing yourself effectively.

Applicants whose native language is not English must provide evidence of English language proficiency. You need to meet one of the following requirements:

- TOEFL (PBT): 500/ TOEFL (IBT): 65
- IELTS : 5.5 or Equivalent  
(Test score must be valid at the time of submission)

## COURSE ASSESSMENT

In this course, assessment is a combination of:

INDIVIDUAL EXAMS AND PRESENTATIONS

GROUP ASSIGNMENTS AND PRESENTATIONS

GROUP COURSEWORK AND INDIVIDUAL COURSEWORK

In the final trimester, students are required to complete a Thesis as the main work to determine their academic achievement. This project is used to evaluate and represent your hard work and continuous effort during your study. Details of assessment requirements will be specified in the full course description given by your lecturer at the beginning of each course.



## TESTIMONIAL

FADUGBA JEREMIAH, NIGERIA  
MSE STUDENT

"With the current technology trend of Internet of Things (IoT) which is centered mostly on Data, FPT University Master Program offers first-class tutoring and training on Data Analysis. And so it gives me the opportunity to learn from the field experts and get my hands "dirty" on Data Analysis. And certainly one of the most trending and lucrative opportunities for a graduate is working in major software companies."

## CONTACT US

ADDRESS: Hoa Lac High Tech Park, Hanoi, Vietnam

EMAIL: international.admission@fpt.edu.vn

PHONE: +84 4 6326 3438

FAX: +84 4 3768 7718

WHATSAPP:

+84 167 431 2258 | +84 167 638 9114 | +84 983 848 966

+84 168 483 1865



# MASTER OF SOFTWARE ENGINEERING

LEARN HOW TO PLAN, IMPLEMENT, MONITOR AND CONTROL SOFTWARE PROJECTS WITH ISSUES RELATED TO COST, BUDGET, RESOURCES, TIME, QUALITY AND CUSTOMER SATISFACTION

## COURSE OVERVIEW

This program is designed to bring the benefits of modern technology and high quality graduate-level instruction to engineers/scientists/technologists interested in furthering their skills in the following areas:

**PROJECT MANAGEMENT:** so as to become effective future project/program managers;

**TECHNOLOGY MANAGEMENT:** to manage and lead technology development in global markets.

**BIG DATA:** with the explosion of data from enterprise software system and consumer devices, new career path is waiting for those software engineers who possess the know-how of converting big-data into business advantages

**SYSTEMS MANAGEMENT:** related to the life cycle of systems including definition, development, deployment and decommissioning;

### PROGRAM NAME

Master of Software Engineering (MSE)

VALIDATED/ AWARDED BY: FPT University Vietnam

TYPE OF COURSE: Degree-awarded program

DURATION: 1.5 Years (3 semesters)

INTAKE: June | December

ACCREDITATION

Globally-accepted | Including 6 professional certifications (CITA-F, PMP, etc.)

TUITION FEE: 8,000 USD (Total)

# WHY CHOOSE MSE PROGRAM AT FPT UNIVERSITY?

- Vietnam is one of the fastest-growing economies in Asia with a stable social environment and a high rate of integration into the global networks
- FPT University is the leading private university in Vietnam that provides internationally recognized programs. FPT university currently holds 3 stars in the QS World University Rankings System
- Students are provided with the industry-oriented academic content that brings enormous opportunities to reach high-paid positions after graduation. Especially, the curriculum with Big Data and Project Management specializations allow graduates to catch up with ICT trends.
- Professional Certificates (based on PMP, CITA-F, or Cloudera Spark Hadoop) are granted to students after completing each module.
- All classes are taught at non-office hours and weekends, therefore students are allowed to work part-time or full-time during weekdays to accumulate practical knowledge and skills.
- Graduates with great potential have the distinct possibility of getting recruited directly by FPT affiliate companies operating in 19 countries around the world.

## CAREER OPPORTUNITIES

Graduates from the program of Master of Software Engineering with a Specialisation in Big Data are currently a highly sought after human resource in developed countries, due to the urgent shortage of data engineers and scientists. The growth of data and potential value to be exploited from data is outpacing the growth of number of graduates in the field. Academic oriented graduates can also continue doctoral programs in data engineering.

This bachelor's graduates aspire to work in positions such as:

- SOFTWARE ENGINEER FOR DATA SYSTEM
- DATA ENGINEER
- DATA ANALYST

## COURSE OBJECTIVES

The specific goals of the program are to:

- PREPARE** professionals for leadership positions that bridge the gap between technology-oriented professionals and heads of departments.
- ADDRESS** the growing need for skilled information professionals who can strategically manage information and technology assets to fulfil critical information needs in organizations.
- PROVIDE** leadership in the information management field through the study of ethical, political, social, and technical issues related to information management in a modern society.
- ASSIST** organizations in the formation of information policies, development and application of information systems and services, and the use of information management technologies and methods.

## ADMISSION PROCEDURE

### STEP 1: INFORMATION RESEARCH AND CONSULTATION

Contact admission office through email, whatsapp, online website, phone, etc.

### STEP 2: SUBMISSION OF APPLICATION

Submit all required documents for admission  
Prepare the first installment of tuition fees

### STEP 3: OFFER LETTER AND FEE PLAN

Receive of Conditional Offer letter and Fee Plan  
Accept for admission and scholarship (if qualified)

Receive Conditional Offer letter and Fee Plan

### STEP 4: RECEIVE OF ADMISSION LETTER

Transfer the first installment of tuition fees  
Receive Admission Letter and Visa Reference Code

Prepare for travel

### STEP 5: POST ENROLLMENT



## PROGRAM STRUCTURE

SEMESTER: ADVANCED SOFTWARE ENGINEERING (12 CREDITS)	
01	Information Technology Project Management 3
	Agile methods 3
	Advanced Software Architecture 3
	Advanced Software Quality Management 3
SEMESTER: FUTURE OF INFORMATION TECHNOLOGY (12 CREDITS)	
02	Big Data 3
	Data Mining 3
	Text Mining 3
	Future of Information Technology 3
SEMESTER: THESIS STUDY (7 CREDITS)	
03	
TOTAL (31 CREDITS)	

### PRE-MASTER COURSE

Students with non-IT background are required to attend a pre-master course before entering the main program. Depending on your academic background you will need to take one or several of the following courses (maximum 4 courses, or 12 credits).

FOUNDATION STUDY	CREDIT(S)
Introduction to Software Engineering	3
Software Quality & Testing	3
Software Architecture & Design	3
Software Requirement	3
Software Construction & Process Improvement	3
Advanced Database	3
Web & XML programming	3
Mobile programming	3