ENGLISH TRAINING PROGRAM

AIT provides a 7-week intensive English training for those required to increase their English and Academic skills before joining the program. This program includes tips on how to conduct AITEET.

ENTRY REQUIREMENTS

To be eligible for admission to the AIT Professional Master’s program, an applicant must:

- Hold a Bachelor degree (from a four-year program), or its equivalent,
- Have above average undergraduate grades,
- Have good command English, and
- At least one-year working experience.

Please download application forms at www.rsgis.aict.ac.th or www.aitcv.ac.vn
INTRODUCTION

The Remote Sensing and Geographic Information Systems field of study trains professionals to play a leading role in the wide range of land and water resources management since 1959 in its mother campus in Thailand. The requirement of urban infrastructure planning and management has grown tremendously as more than 70 percent population in Asia has moved to urban centers. The program is designed to train and provide professional skills to students and working professionals who desire to acquire strong conceptual education and practical experience in the fast-growing field relating to geospatial technologies. It molds students in integrating remote sensing, GIS and GPS skills with their core profession.

The specially designed curriculum for this program will consist of three professional courses that will cover important and emerging aspects of RS&GIS techniques through advanced courses focusing on:

- Urban
- Agriculture
- Public Health

In past decade, Vietnam has witnessed rapid economic growth which has put huge demand for infrastructure growth in all sectors: road, housing, electricity, water supply, sewage and waste disposal, logistics, telecommunications, healthcare, agriculture, etc. Geoinformation technology comprising of Remote Sensing (RS), Geographic Information Systems (GIS), Global Positioning Systems (GPS), and photogrammetry play a vital role as first step in planning and subsequently in management to ensure sustainable development.

Professional Masters in Geoinformatics for Planning and Management is aimed to provide the knowledge of these technologies to professionals from public and private sectors and enable them to use it in their profession for efficient planning and management and contribute efficiently to the development and growth. They will be equipped with knowledge to process satellite images to create maps, integrate maps, data from various sources in GIS environment, apply government guidelines, decision rules, develop model and analyze the information for better decision support data product for planning and management for sustainable development. Professional program is a blend of theoretical concepts and hands on practical skill development and provide them knowledge of state of the art techniques by AIT and industry experts.

COORDINATOR’S MESSAGE

Geoinformation Technologies such as Satellite Remote Sensing, Geographic Information Systems, Global Positioning Systems and internet based information systems are important modern tools for planning and management. Professionals working in various organisations in Vietnam may contribute much efficiently if their knowledge and skills are upgraded in most modern technologies. Working professionals need the flexibility to study while keeping their continuous job. With this aim, I am happy that the Professional Masters Degree Program in Geoinformatics for Planning and Management is being offered. International experts and faculty members shall be teaching and training the students using state of the art curriculum for knowledge and skill development to create a highly qualified personnel to contribute towards a modern and efficient approach in planning and management and elevate the working in your organisation to the level of most developed nations. Looking forward to work with you in capacity development of vibrant Vietnam.

Dr. Nitin Kumar Tripathi
Professor and Program Coordinator

PROGRAM STRUCTURE AND DELIVERY

- The students will obtain a degree of Professional Master of Engineering (PME) in Geoinformatics for Planning and Management by completing a 33-credit curriculum, consisting of 27 credits of courses of course work and 6 credits of independent study, in one year period. Medium of Teaching will be in English. One year program will be taught by AIT faculty and International Professionals
- Degree issued by Asian Institute of Technology

TUITION FEE

The total tuition fee for one student is USD 14,875.

The details of the total tuition fee are as follows:

- Tuition fee = USD 375/credit x 33 credit = USD 12,375
- Registration fee = USD 500
- International Field Trip = USD 2,000
* Estimation cost is based on actual expense, including air ticket, transportation and accommodation.

Program Structure and Study Plan

The AIT professional Master program in GeoPM will constitute of three terms. Students will take core, advanced and applied courses as shown in the table below. Students will carry out their project study and embark on international field trips in the Term-3.

1. All the teaching will be conducted at AIT Centre Vietnam
2. Study visit in large organizations outside of Vietnam
3. Graduation ceremony at AIT

CORE COURSE

- Remote Sensing
- Geographic Information Systems
- Digital Photogrammetry
- Spatial Analysis Methods in GIS

ADVANCED COURSES

- Advance Application Development
- Advance Mapping Techniques
- Digital Image Processing in Remote Sensing
- Remote Sensing Data Analysis
- Web GIS for Online System
- Free and Open Source Software for Geospatial Analysis
- Monitoring and Evaluation of Projects using GIS

APPLIED COURSES/ TOPICS

Urban Information Systems
- Database for Land Cadaster Administration
- Advanced GIS for Urban Information Systems
- Urban Infrastructure Planning and Management
- Location Based Services

Remote Sensing and GIS for Agriculture
- Remote Sensing for Mapping Agriculture Areas
- Satellite Remote Sensing and Sensor Network for Agriculture Management
- GIS Modeling for Crop Suitability
- Ubiquitous Technology for Agriculture
- Crop Yield Estimation using GIS
- Agribusiness Management in the 21st Century
- ICT Applications in Agriculture

Public Health Information Systems
- Database for Public Health Spatial Information
- Advanced GIS for Public Health Information System
- Online Disease Surveillance System
- Epidemic and Viral Disease Spatial Statistical Analysis
- Healthcare and Trauma Assistance Systems