



Fundamental Information Technology Engineer Examination

Acronym/Nickname
FE

Certification Body
Philippine National I.T. Standards (PhilNITS) Foundation, Inc.

Certification Level

Covered competencies

- Competencies needed in a System Development Job Process:
1. User requirement analysis and systematization requirement definition-
 - Collect and analyze information to define user requirements
 - Determine the work scope
 - Define systematization requirements
 - Define security requirements
 - Define operation requirements
 - Define maintenance requirements
 - Establish performance evaluation criteria
 - Define test requirements
 - Prepare & review requirements specification
 2. System development preparation
 - Determine a life cycle model for development work
 - Prepare the development environment
 - Prepare a plan for executing the development process
 3. System design (external design)
 - Select a system
 - Design subsystem function specifications and interfaces
 - Design security
 - Create models of business processes and data
 - Prepare user manuals (outlined edition)
 - Design system test specifications
 - Prepare and review system design documents
 4. Component design (internal design)
 - Design software components
 - Design physical database
 - Create and test prototype
 - Design component test specifications
 - Review software component design documents
 5. Detailed design (program design)
 - Perform detailed design of software
 - Review detailed design
 - Design unit test specifications
 - Prepare and review user manuals (final edition)
 6. Program Implementation
 - Coding (programming)
 - Peer-review code
 - Unit test
 - Component test
 - System test
 - Systematization
 7. Software installation support
 - Install software
 - Support user acceptance tests
 - Educate, train, and support users
 8. Activities common to tests
 - Prepare test plans
 - Prepare test procedures
 - Conduct tests
 - Record test results and obtain approval

Requirements

- Candidates must:
1. Have knowledge of computer fundamentals and at least one Computer language either C or Java.
 2. Submit 3 pictures either 2x2 or passport size
 3. Pay the examination fee

Description

The Fundamental IT Engineers Exam (FE) is one of the 14 exams given by the Japan IT Engineers Examination Center (JITEC) of the Information technology Promotions Agency (IPA) of the Ministry of Economy, Trade & Industry (METI) of Japan. These exams are based on an established Information Technology Engineers Skill Standards (ITSS).

The FE Exam is used to evaluate the knowledge and skills of IT personnel (engineer) on the fundamentals of I.T.

The Fundamental IT Engineers Exam (FE) requires the person to have the ability to develop a good program by making full use of techniques related to basic-level algorithm and data structure. The FE Exams also requires the person to be able to successfully carry out jobs such as program development, unit tests, and system integration tests.

The Standards and the Certification Exam was donated by Japan to the ASEAN countries last Oct. 2000 during the ASEAN + China, Japan, & Korea Economic Ministers Meeting held in Chang Mai, Thailand. Initially, all the exam questions were formulated by JITEC. But since the establishment of the Information Technology Professional Examinations Council (ITPEC) last Nov. 11, 2005, composed of the ff. organizations- JITEC (Japan), METEOR (Malaysia), NECTEC (Thailand), VITEC (Vietnam), PhilNITS (Philippines) and NTP (Mongolia), the FE Certification Exam consists of questions contributed by the member organizations of ITPEC, with the larger share coming from JITEC.

The FE exams is given twice a year on a commonly agreed upon date: usually the first Sunday of April and the last Sunday of October (depending on the Eid Festival of Muslim countries which normally falls on the 1st or 2nd Sunday of October).

The exam is given in English except in Japan, Vietnam and Myanmar.

Target

- Anybody with:
1. Knowledge on the fundamentals of IT – hardware, software, networking, database, etc.
 2. Knowledge in any one of the four programming languages: JAVA, C, COBOL, Assembler

Career Path

Programmer, Systems Engineer



Authorized Testing Center:	Indicative Fee*	Certification Schedule**
Philippine Christian University (Manila) University of Baguio (Baguio) Holy Name University (Tagbilaran) Capitol University (Cagayan de Oro) University of San Carlos (Cebu) University of Immaculate Conception (Davao) Ateneo de Naga (Naga) Ateneo de Zamboanga (Zamboanga)	P1,500.00	Spring Exam is on the First Sunday of April and the Fall Exam is usually on the 3rd Sunday of October, depending on the Muslim Feast of Eid, to be agreed upon by ITPEC.
* Fees are exclusive of VAT and wire transfer fee ** Fees and schedules are subject to change without prior notice, please get in touch with Authorized Testing Centers through contact details below		
Recommended/Preparatory Training		
At least two years College Course in Computer Science with training on Computer Science fundamentals, Hardware, Software, Data Base Fundamentals, Networking Fundamentals , Operations Research, Basic Project Management , Systems Security and Programming Language (C & JAVA)		
Where to get more information:		
http://www.philnits.org http://www.jitse.org Exam Centers:		
Philippine Christian University Taft Ave., Manila Contact Person: c/o PhilNITS Tel: (02) 898-2691 to 92, 0910-219-8335 URL: www.philnits.org , www.jitse.org University of Baguio Gen. Luna Road, Baguio City Contact Person: Ms. Ellen Halover Dean, IT Department Tel: (074) 442-4915 loc. 175 , (074) 442-3071 Holy Name University Tagbilaran City Contact Person: Ms. Rosario Caballo (038)411-3764 loc 401 0917-8932643 Capitol University College of Computer Studies Corrales Ave., Cagayan de Oro City Contact Person: Ms. Christine Sevilla Tel: (08822) 726136 loc 226/270 Fax: (0882) 714341 University of San Carlos Talamban Campus, Cebu City Contact Person: Ms. Marian Sionzon Tel: (032) 253-1000 loc. 155, 0917-914-4439 University of Immaculate Conception Davao Cental, Davao City c/o PhilNITS Davao Office Contact Person ms. Joy Alferez Philnits Davao DTI Region XI, 5 th Floor, Minitrade Bldg., Sales Cor Monteverde St., Davao City Tel 082-2221625 / 0922-8148985 Ateneo de Naga University Ateneo Avenue, 4400 Naga City Contact Person: Dr Allan Sioson, Dean College of Computer Studies Tel: 054-4722369 Ateneo de Zamboanga University La Purisima St., Zamboanga City Contact Person: Ms Catherine Macrohon Computer Science Department Tel: (062) 9910871 loc 2280		