

國立東華大學資訊工程學系 **基本程式能力畢業規定**

101 年 9 月 6 日課程暨學程規劃委員會會議通過

101 年 10 月 3 日系務會議通過

依 101 年 10 月 3 日系務會議決議，自 101 學年度起入學之學士班(含國際學士班)學生開始適用

102 年 5 月 7 日所務會議建議辦法更名

102 年 06 月 06 日系務會議通過

依 102 年 06 月 06 日系務會議決議，自 102 學年度起入學之碩士班(含國際碩士班)學生開始適用

102 年 11 月 27 日核心能力培育與學習成效評量委員會修訂

102 年 11 月 28 日系務會議通過

民國 103 年 02 月 27 日 102-2^{1st} 所務會議開會修訂

民國 103 年 03 月 05 日 102-2^{1st} 系務會議開會修訂

民國 104 年 05 月 18 日加強英文版本(中文部份無變動)

第一條 國立東華大學資訊工程學系（以下簡稱本系）為加強學生程式設計能力，並提昇軟體開發與專案製作之執行力，特訂定本「**基本程式能力畢業規定**」（以下簡稱檢定考）。

第二條 檢定考以程式設計(一)、程式設計(二)及資料結構所教授內容為範圍，考試以上機實作方式進行。

第三條 學生參加本檢定考沒有次數上之限制，可重覆參加至通過為止。

第四條 本檢定考於每學期實施，採上機實作方式進行，測驗結果將公佈於本系網頁，學生參加應試前須事先報名。

第五條 學生應考成績以**答對 3 題**為通過，施測時間為三小時。

第六條 本系學生符合下列條件者，得檢附相關證明文件，經本系程式能力檢定委員會通過者，視同通過本檢定考。

(1) 取得本系核可之程式設計相關證照。

(2) 參加教育部舉辦全國大專電腦軟體設計競賽、ACM 國際大學程式競賽或本系核可之程式競賽，成績在佳作以上。

(3) 參加大學程式能力檢定(Collegiate Programming Examination, 簡稱 CPE)，**成績在當次測驗中答對 2 題以上或累計 3 題以上者。**

第七條 本辦法由**核心能力培育與學習成效評量委員會**擬定，經系務會議通過後公告實施，修正時亦同。

國立東華大學資訊工程學系 **基本程式能力畢業規定**
Primary Programming Proficiency (PPP) Requirements
Department of Computer Science & Information Engineering
National Dong Hwa University

Approved by the Departmental Curriculum Designing and Planning Committee on 2012.09.06

Approved by the Departmental Executive Committee on 2012.10.03

Apply to undergraduate students (including International Bachelor programs) admitted on/after the 2012 School year

Apply to graduate students (including International Graduate programs) admitted on/after the 2013 School year

Update title and wordings on 2015.05.18

1. In order to ensure students' abilities in programming proficiency, and to enhance competences of software development and implementation, this Article has been established as a **graduation requirement** for all CSIE graduate and undergraduate students.
2. Before graduation, each student is required to receive a PPP certificate by passing an on-site PPP test held each semester. The scope of the PPP test covers the comprehensive programming skills trained in the core courses including Introduction to Computer Programming (I) + (II), and Data Structures.
3. There is no limit on the number of PPP tests a student can take.
4. Students who want to take the PPP test must register in advance before the test. The test will be scheduled once in every semester. The registration procedures will be posted on the departmental website.
5. The PPP test will last three hours. Each participant should solve **at least three problems** to pass the test.
6. Students may take any of the following contests/exams as an alternative to the PPP test. Students must submit their official certificates of the contests/exams to be exempted from obtaining the PPP certification.
 - i. Receiving programming-related certificates approved by the PPP Certification Committee.
 - ii. Participating in the National Collegiate Programming Contest (NCPC) organized by the Minister Of Education (教育部舉辦全國大專電腦軟體設計競賽), ACM International Collegiate Programming Contest (ACM 國際大學程式競賽), or other programming contests approved by the PPP Certification Committee, and receiving an award designation of "Excellent Work (佳作)" or better.
 - iii. Participating the Collegiate Programming Examination (CPE 大學程式能力檢定), and receiving **at least 2 or more correct answers in one exam or total 3 correct answers accumulatively.**

This Regulation has been established by the **Departmental Educational Core and Ability Evaluation Committee**, approved by the Departmental Executive Meeting, and announced and executed afterwards. Any amendment should follow the same process accordingly.