

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-008-223

New Self-Support Computer Science Global Access Certificate

Academic Programs Committee

Date: 05/10/2023

**Executive Committee
Received and Forwarded**

Date: 09/06/2023

Academic Senate

Date: 09/20/2023
First Reading
10/18/2023
Second Reading

BACKGROUND:

The Computer Science Department's Bachelor of Science program has been fully accredited by the Computing Accreditation Commission of ABET since 1994. The department is proposing an academic credit certificate program titled 'Global Access Certificate Program in Computer Science.'

The proposed Global Access Certificate Program in Computer Science is an academic credit certificate program categorized in the fundamental type. The program comprises of 6 core courses in computer science with a total of 19 credit units that will be completed within one year. The program aims to create learning opportunities for students and professionals with a computer science background to extend their computer science knowledge and expand their career opportunities through the focused educational program. Program participants will also benefit from the program in getting prepared for admission to the graduate program in computer science at CPP or other institutions. The program is designed for both domestic and international students.

For international students, the proposed program provides F-1 visa support. A combination of the core courses and intensive English language courses will be offered to international students to make sure that the students enroll as full-time students that take at least 12 credit units per semester, according to the SEVP regulation on international student status. Upon completion of the program, international students will be eligible for an Optional Practical Training (OPT) year.

Reasons for this proposal are:

- Market demand for short, focused educational programs in computer science for academic enhancement, professional development, career advancement, re-tooling and personal interest,
- Providing a pathway to the graduate program in computer science at CPP.

RESOURCES CONSULTED:

Associate Deans, all colleges

Department Chairs, all colleges

Senate Budget Committee

Dr. Daisy Tang, Chair, Computer Science Department

DISCUSSION:

After receiving this referral, the Academic Programs Committee conducted campus-wide consultations. During the campus-wide consultation, no concerns were raised. In particular, Dr. Drew Hwang (CIS Department Chair) was consulted, and no objections were received by the Committee. Furthermore, the Senate Budget Committee did not have concerns about the proposed budget.

This is a one-year program and will be administered by CPGE as a self-support program. The program will utilize CPGE classrooms at CTTi, and each classroom has the occupancy of 30. This program will be offered on a cohort basis with at least 12

students per cohort. The department has identified appropriate prerequisite courses that students must satisfy before enrolling in the program.

Considering employment in computer and information technology occupations is projected to grow 13 percent from 2020 to 2030, faster than the average for all occupations, and they are projected to add about 667,600 new jobs, this certificate program will be important in serving the need of students wanting to get better prepared for careers in computer and information technologies, as well as ensuring the workforce is ready for the increased demand in this field.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the Global Access Certificate Program in Computer Science.