

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-019-190

New Self-Support Counterpart of the Master of Science in Materials Engineering

Academic Programs Committee

Date: 03/06/2020

Executive Committee
Received and Forwarded

Date: 04/22/2020

Academic Senate

Date: 05/06/2020
First Reading
08/05/2020
Second Reading

BACKGROUND:

The Academic Senate has recently approved (AS-2852-190-AP) a self-support version of the MS in Engineering with an Emphasis in Materials Engineering, to be offered at Northrop Grumman's facility in Palmdale. This program will be offered through the College of the Extended University. At the time of the approval all concerns over academic quality, budget, and potential supplanting issues (per Executive Order 1099) had been addressed. Executive Order 1099, Section 2.18 defines supplanting as "reducing the number of state-supported course offerings on a campus while increasing the number of self-supporting versions of that same course on the same campus." The program is located approximately 100 miles from campus and will only be open to the employees of Northrop Grumman. It will, therefore not affect the state-supported campus program.

However, the Master of Science in Engineering, as currently structured, does not comply with EO 1071, which requires that distinct emphases or options constitute only a minority of the units in a program. As it stands, there are very few classes in common between the two emphases (Aerospace Engineering and Materials Engineering) under the MS in Engineering. Consequently, the two emphases are being elevated to distinct programs. This referral concerns the self-support version of the Materials Engineering Emphasis, which will be elevate to a standalone MS program, offered with a curriculum identical to the state-support version of the new Master of Science in Materials Engineering (the subject of a separate referral).

The self-support MS in Materials Engineering will be offered by the faculty in the Department of Chemical and Materials Engineering, who will supervise the program according to the same agreements in place for the previously-approved self-support MS in Engineering with an Emphasis in Materials Engineering.

The Academic Programs Committee has reviewed these documents and completed a university wide consultation.

RESOURCES RECOMMENDED:

Dean of College of Engineering
Associate Deans of all Colleges
Department Chairs
College of Extended University
Budget committee

RESOURCES CONSULTED:

Dean of College of Engineering
Associate Deans of all Colleges
Department Chairs

College of Extended University
Budget committee

DISCUSSION

Before reaching the Academic Programs Committee, this program was reviewed by the Department Curriculum in Department of Chemical and Materials Engineering, the College Curriculum Committee in the College of Engineering, and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the new Master of Science in Materials Engineering (MSMTE) (Self-Support).