

ACADEMIC SENATE
OF
THE CALIFORNIA STATE UNIVERSITY

AS-3382-19/AA/APEP
May 16-17, 2019

**ENDORSEMENT OF CRITERIA FOR ENGINEERING MODEL CURRICULA
(MC) FOR TRANSFER TO RECEIVE THE SAME ADMISSION ADVANTAGE
AS FOR TRANSFER MODEL CURRICULA (TMC)**

RESOLVED: That the Academic Senate of the California State University (ASCSU) urge the campuses of the CSU be encouraged to grant students, completing associate degrees aligned with one of the four Engineering Model Curricula (MC) for Transfer, the same admission eligibility advantage as for students who have completed a program-aligned Transfer Model Curriculum (TMC) yielding an *Associate Degree for Transfer (ADT)* in the program for which they are applying; and be it further

RESOLVED: That the ASCSU further urge the campuses of the CSU to only provide this admissions eligibility advantage when the appropriate program-aligned engineering background (the MC) delay completion of lower division CSU General Education (GE) by no-more-than three lower division GE courses to be taken after admission to the CSU as specified in [AS-3101-12/APEP/AA \(Rev\)](#) "*Support for Alternative General Education (GE) Pathways for Science, Technology, Engineering, Mathematics (STEM) Transfer Students*"¹; and be it further,

RESOLVED: That the ASCSU distribute this resolution to the CSU Chancellor, CSU Board of Trustees, Associate Director of Undergraduate Transfer Programs and Policy, California Community Colleges (CCC) Chancellor, CCC Board of Governors, Academic Senate CCC, Nick Langhoff, Chair of the Engineering Liaison Council, the California Engineering Liaison Council, Intersegmental Committee of the Academic Senates (ICAS), California State Assembly Committee on Higher Education, California Senate Education Committee, CSU campus Presidents, CSU campus Senate Chairs, Campus Senate Executive Committees, California State

¹ note that students may also have to take additional lower division courses to meet the particular requirements in their program of study

Student Association (CSSA), and the Associated Students, Inc. (ASI) of the California State University.

***RATIONALE:** Senator Alex Padilla's SB-1440 was signed into law by Governor Schwarzenegger in September of 2010. "The Student Transfer Achievement Reform (STAR) Act would do the following: 1) Mandate that CCCs create Associate of Arts (AA) degrees for transfer to a CSU with areas of emphasis. 2) Guarantee that students who earn the transfer degree are admitted to the CSU with upper division junior status. 3) Preclude CCCs from requiring additional courses for this degree. 4) Assure that transfer students will graduate with a bachelor's degree with 120 semester units or 180 quarter units, with the exception of certain majors." (Alex Padilla Fact Sheet: SB 1440 [Padilla], Student Transfer Achievement Reform Act).*

It was clear that most engineering programs were a poor fit to the requirements of SB 1440 due to the large amount of lower division preparation courses required (e.g. lower division preparation for mechanical engineering upper division coursework might require a minimum of 15 units of math, 8 units of physics, 4 units of chemistry, 3 units of CAD and/or graphics, 3 units of circuits, 3 units of statics, 3 units of engineering materials, and three units of programming [e.g., Matlab]). These considerations led the ASCSU to adopt [AS-3101-12/APEP/AA \(Rev\)](#) "Support for Alternative General Education (GE) Pathways for Science, Technology, Engineering, and Mathematics (STEM) Transfer Students"

The intent of this resolution is to provide the same "admissions bump" for completion of the TMC in a TMC-aligned program for completion of an MC for an MC-aligned engineering program. It is unlikely that most engineering programs could be completed following an MC within 120 units (many programs already exceed a nominal 120 unit requirement for freshmen students on the nominal freshman multi-semester planner used for fully prepared students)

The specific requirements of the MC can be found at: <https://www.cid.net/model-curriculum>

[AS-3101-12/APEP/AA \(Rev\)](#) "Support for Alternative General Education (GE) Pathways for Science, Technology, Engineering, and Mathematics (STEM) Transfer Students" allows students in specific STEM majors with an approved alternative pathway be allowed to defer up to three courses from the Intersegmental General Education Transfer Curriculum (IGETC) pattern

selected from Area 3, Area 4 and/or Area 6a; or up to three courses from the GE Breadth pattern selected from Area c, Area d and/or Area e until after transfer and be eligible for all rights and guarantees that would accrue if they would have completed the entire package prior to transfer.

The following are ASCSU resolutions passed with regards to SB 1440/440 and engineering:

- [AS-2952-10/FGA](#)
- [AS-2958-10/APEP/AA/FGA](#)
- [AS-2972-10/APEP](#)
- [AS-2998-11/AA/APEP \(Rev\)](#)
- [AS-2999-11/AA/APEP \(Rev\)](#)
- [AS-3078-12/APEP/AA](#)
- [AS-3130-13/FGA](#)
- [AS-3166-14/AA \(Rev\)](#)
- [AS-3268-16/FGA \(Rev\)](#)
- [AS-3346-18/APEP/AA](#)
- [AS-3355-18/APEP/AA \(Rev\)](#)
- [AS-3356-18/APEP/AA \(Rev\)](#)

Approved Unanimously – May 16-17, 2019