

## Change in Prerequisite Requirements for C-ID Math 110

The pre-requisite requirements for the C-ID Math 110, Introduction to Statistics course have been revised, following considerable discussion over the last several years.

The intent of this change is to allow colleges to experiment with alternative student preparation for the standard transfer-level Statistics course, and to determine if changes can increase student success in their local environment.

Both the CSU system and the UC system have made recent changes in their requirements in this area, in part as a response to a vigorous local, statewide and national discussion of the issues – particularly the effects of the “algebra pipeline” on student completion of a transfer level math course. Some analysis can be found in the Degrees of Freedom series from PACE (Policy Analysis for California Education) and in the documentation of various Carnegie Foundation projects and courses.

The Math FDRG (Faculty Discipline Review Group) for the C-ID project is well aware that there is a wide range of opinions within our departments and our systems. The new language reflects input from individual math faculty, system math groups and academic senates and attempts to find a reasonable compromise while encouraging the development of increased options for students.

The actual C-ID language states:

Required Prerequisites:

1) Intermediate Algebra

or

2) any CSU accepted\* statistics pathway curriculum prerequisite

\*At present there are two mechanisms to become accepted:

- the proposed statistics course has been accepted to meet CSU General Education Breadth Area B4
- the pathway has been accepted by the CSU Chancellor's Office process per its October 20, 2015 memo (Statistics Pathways in CSU Quantitative Reasoning)

The first option retains the traditional intermediate algebra course as a prerequisite and departments are free to maintain such course outlines.

The second option acknowledges a four-year experiment in the CSU system (exception period expires the beginning of Fall 2019 term) - which allows for certain integrated pathways/sequences to complete statistics. Such courses then satisfy the C-ID prerequisite requirement.

(Notice that the CSU memo referenced specifically states, in part:

Students who complete approved statistics pathways curriculum during the exception period will be deemed by the CSU to have met the quantitative reasoning requirement in the “Golden Four” requirements for transfer admission. They will also have satisfied Area B4 Quantitative Reasoning of the CSU GE Breadth transfer curriculum.)

Departments are encouraged to take advantage of this limited opportunity to create and evaluate alternative statistics pathways that still preserve the traditional GE transfer function of this course.