

Math Co-Requisite Information Sheet

Under AB 705 many more students will be placed into transfer-level math course. Some will need support. This document contains information about concurrent support courses linked to transfer-level math courses. Some are currently offered; others will be offered for the first time in Fall 2019.

Statistics

College and Contact Person	Brief Description	Placement into Statistics (no support)	Placement into Support Course	Class Size	Coreq Grading	What Happens in the Coreq Class?	Extra Information	Links to the CORs
Los Medanos Julie Von Bergen jvonbergen@losmedanos.edu	Designated sections of 4-unit Statistics course linked to 2-unit support course taught by the same instructor in back-to-back time slots. Contact hours: 8 hours a week Math Lab: 2 hours a week	Completion of HS Algebra 2 with a C- or better, or the equivalent, self-reported.	Pre-FA17: Algebra I \geq C FA18: open to all	32 in both traditional and coreq classes	Student choice letter grade or pass/no pass. Currently, grading schema for co-req is the same as that in Statistics and students receive same grade in both.	Group activities to develop a conceptual understanding of hard concepts from Statistics; just-in-time remediation; work in the affective domain.	Teaching Community meets throughout the semester to support instructors teaching Stats +support Materials: Open Learning Initiative's Concept of Statistics course with a locally developed activity packet and StatCrunch.	Los Medanos Transfer-Level Stats COR Los Medanos Co-Req COR
Cuyamaca College Tammi Marshall Tammi.marshall@gccd.edu	Designated sections of 4-unit Statistics course linked to 2-unit support course taught by the same instructor in back-to-back time slots. Contact hours: 6 hours a week	Through spring 2018 Accuplacer score: Algebra (86-120) OR CLM (20-54) Starting summer 2018 Integrated Math II or Algebra 2 and a HS GPA of 3.0 or greater, self-reported.	Open to everyone	42-45 (depending on the classroom)	Pass/no pass. Students who receive a C or better in the Statistics course pass the co-req course; students who do not pass Statistics do not pass the co-req.	"Math interludes" review math skills for Statistics and GE the physical/life sciences courses; contextualized within Stats content when possible. Activity-based to promote effective learning skills and foster an academic growth mindset.	The Statistics + Support primarily for students in the Social Sciences, Arts and Humanities. Instructors participate in a community of practice that meets throughout the semester. "Brains on" activity-based pedagogy in a collaborative, community-oriented space with attention to the affective side of learning.	Cuyamaca CORs Click on Math 160 Math 060

Applied/Business Calculus

College and Contact Person	Brief Description	Placement into Statistics (no support)	Placement into Support Course	Class Size	Coreq Grading	What Happens in the Coreq Class?	Extra Information	Links to the CORs
<p>Cuyamaca College Tammi Marshall Tammi.marshall@gcccd.edu</p>	<p>Some sections of 4-unit Business Calc course linked to 2-unit support course taught by the same instructor in back-to-back time slots. Cohorted: both sections same students Contact hours: 6 hours a week</p>	<p>Through spring 2018 Accuplacer score: Algebra (86-120) OR CLM (20-54) Starting summer 2018 Integrated Math III or Algebra 2 and a HS GPA of 3.3 or greater, self-reported.</p>	<p>Pre SU18: Algebra 2 and a HS GPA of 2.8 or greater SU18: Algebra 2 and a HS GPA below 3.3, self-reported.</p>	<p>42-45 (depending on the classroom)</p>	<p>Pass/No Pass. Students who receive a C or better in Business Calculus pass the co-req course; students who do not pass Business Calculus do not pass the co-req.</p>	<p>Review as needed Intermediate Algebra skills pertinent to Business Calculus; contextualized and just-in-time approach. Instructors use activities to promote affective learning skills and foster an academic growth mindset.</p>	<p>Instructors participate in a community of practice that meets throughout the semester. “Brains on” activity-based pedagogy in a collaborative, community-oriented space with attention to the affective side of learning.</p>	<p>Cuyamaca CORs Click on Math 178 Math 078</p>
<p>Los Medanos Julie Von Bergen jvonbergen@losmedanos.edu</p>	<p>A section of 4-unit Applied Calc course linked to 2-unit support course; same instructor, back-to-back time slots. Comingled: mixed support and non-support students in same section of Applied Calc. Contact hours: 6 hours a week Math Lab: 2 hours a week</p>	<p>Completion of HS Algebra 2 with a C- or better, or the equivalent, self-reported.</p>	<p>Open to all</p>	<p>36 in both traditional and coreq classes</p>	<p>Grade not linked to Business Calc. Pass support course but fail Business Calc? Enroll in Business Calc without support. Pass Business Calc but fail support course? No further remediation</p>	<p>Group activities to prep for calculus concepts; just-in-time remediation on algebra skills; work in the affective domain.</p>	<p>Materials: Applied Calculus textbook, supplemental locally developed activities, graphing software</p>	<p>http://www.losmedanos.edu/catalog/cool/MATH.asp</p>

Precalculus

College and Contact Person	Brief Description	Placement into Statistics (no support)	Placement into Support Course	Class Size	Coreq Grading	What Happens in the Coreq Class?	Extra Information	Links to the CORs
<p>Cuyamaca College</p> <p>Tammi Marshall</p> <p>Tammi.marshall@gccd.edu</p>	<p>Some sections of 6-unit Precalc course linked to 2-unit support course; same instructor, back-to-back time slots.</p> <p>Cohorted: both sections same students</p> <p>Contact hours: 8 hours a week.</p>	<p>Through spring 2018 Accuplacer score ... Algebra (86-120) OR CLM (20-54)</p> <p>Starting summer 2018 Integrated Math III or Algebra 2 and a HS GPA of 3.3 or greater, self-reported.</p>	<p>Through spring 2018 Algebra 2 and a HS GPA of 2.8 or greater</p> <p>Starting summer 2018 Algebra 2 and a HS GPA below 3.3, self-reported</p>	<p>42-45 (depending on the classroom)</p>	<p>Pass/No Pass. Students who receive a C or better in Precalculus pass the co-req course; students who do not pass Precalculus do not pass the co-req.</p>	<p>Review Intermediate Algebra skills as needed for success in Precalculus, contextualized just-in-time approach. Instructors use activities to promote effective learning skills and foster an academic growth mindset.</p>	<p>Instructors participate in a community of practice that meets throughout the semester. “Brains on” activity-based pedagogy in a collaborative, community-oriented space with attention to the affective side of learning.</p> <p>Trig is embedded in Precalculus, not a separate requirement</p>	<p>Cuyamaca CORs</p> <p>Click on Math 176 Math 076</p>
<p>Los Medanos</p> <p>Julie Von Bergen</p> <p>jvonbergen@losmedanos.edu</p>	<p>A section of 4-unit Precalculus course linked to 2-unit support course; same instructor, back-to-back time slots.</p> <p>Comingled: mixed support and non-support students in same section of Precalc.</p> <p>Contact hours: 6 hours a week</p> <p>Math Lab: 2 hours a week</p>	<p>Completion of HS Algebra 2 with a C- or better, or the equivalent, self-reported.</p>	<p>Open to all</p>	<p>36 in both traditional and coreq classes</p>	<p>Grade not linked to Precalculus</p> <p>Pass support course but fail Precalc? Enroll in Precalc without support.</p> <p>Pass Precalc but fail support course? No further remediation</p>	<p>Group activities to prep for Precalculus concepts; just-in-time remediation on algebra skills; work in the affective domain.</p>	<p>Materials: Precalculus textbook, supplemental locally developed activities, graphing software</p> <p>Trig is embedded in Precalculus, not a separate requirement</p>	<p>http://www.losmedanos.edu/catalog/coor/MATH.asp</p>

Other states: Full concurrent support programs (all students eligible for transfer-level math, with or without support)

College and Contact Person	Brief Description	Placement (no support)	Placement into Support Course	Class Size	Coreq Grading	What Happens in the Coreq Class?	Extra Information	Links to the CORs
<p>Community College of Denver</p> <p>Teresa Adams</p> <p>Teresa.Adams@ccd.edu</p>	<p>Linked support labs attached to all introductory transfer-level math courses (Liberal Arts Math, Stats, College Algebra, Trig, Finite Math)</p> <p>Lab: two hours per week, before the supported class. Usually taught by the same instructor as the supported class. Co-mingled: 50% or more of students in the supported class are in the lab support.</p>	<p>Completion of Algebra II or Math III with a B or better and HS GPA of 2.75 or better OR Accuplacer (Elementary Algebra) 85 or better OR ACT 23 or better OR SAT Math 560 or better</p>	<p>Open to everyone.</p> <p>The default placement for all incoming students is the transfer-level math course appropriate for their program of study with a concurrent support lab.</p> <p>Students can opt to go through the placement process to try to place out of the concurrent support lab.</p>	<p>15 is max size in support lab; transfer-level course has a total of 27.</p>	<p>Student choice: Satisfactory or Unsatisfactory</p>	<p>Instructor decides what students need to do in the lab to prepare them for the supported class in the next hour. Focus on collaboration and active learning, with more specific activities in development for the lab.</p>	<p>Community College of Denver has 5 different introductory transfer-level math courses and 3 specialized math courses for associate degree programs. All use the same concurrent support lab structure and allow all students to enroll with support.</p> <p>Students take the one that is most appropriate for their course of study.</p>	<p>General information http://catalog.ccd.edu/programs-courses/courses/mat/</p> <p>Syllabus and Catalog description: https://erpdnssb.ccs.edu/PRODCCD/bwckschd.p_disp_syllabus?term_in=201830&crn_in=31895</p>

Other states: Enhanced course model

Integrated Algebra and Trigonometry (MAT 117) Course: Students who traditionally took three semesters to complete a transfer-level course can now do so in 1 or 2 semesters

College and Contact Person	Brief Description	Placement into MAT 117	Class Size	Coreq Grading	What Happens in the Coreq Class?	Extra Information	Links to the CORs
<p>LaGuardia Community College Jeanne Funk jfunk@lagcc.cuny.edu</p> <p>Jorge Perez jorgep@lagcc.cuny.edu</p>	<p>MAT 117, 3-unit introductory transferable STEM math course, 7 hours a week.</p> <p>Combines topics from elementary and intermediate algebra with trigonometry and qualifies students to take Precalculus.</p>	<p>Open to students placing into Elementary Algebra at the college</p>	<p>25</p>	<p>Letter grade</p>	<p>MAT117 integrates some of the Statway design features, such as strategies for building productive persistence, group work, and a focus on conceptual understanding as well as procedural competence.</p>	<p>Faculty teaching MAT 117 were initially trained at Statway institutes and see professional development as essential to the success of their model. After successfully completing MAT 117, most students go on to take Precalculus.</p>	<p>Course descriptions: https://www.laguardia.edu/uploadedFiles/Main_Site/Content/Academics/Catalog/PDFs/CourseDescription-and-AcademicDeptsInfo.pdf</p> <p>See also: http://alp-deved.org/2017/06/accelerating-math-education-at-laguardia-cuny-a-year-at-scale/</p>