



C H A B O T - L A S P O S I T A S

| *Community College District*

## **ASSEMBLY BILL 705 @ LAS POSITAS COLLEGE**

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# What is AB 705?

California Assembly Bill (AB) 705 requires Las Positas College to

- maximize the probability that students will enter and complete transfer-level coursework in English and mathematics within a one-year timeframe, and
- use high school coursework, high school grades, and high school grade point average for placement.



# Impact on Basic Skills Courses, Placement Tests, and Multiple Measures?

- Colleges may only place students into basic skills courses if they are highly unlikely to succeed at the transfer-level AND taking the basic skills course will improve the likelihood that a student will complete transfer-level coursework in one year.
- Students may still *choose* to take a basic skills course if that is what they want or need.
- Placement tests may not be used as a tool to help students evaluate the best placement for themselves.
- Multiple measures are used for courses above first-level transfer



# Ensuring Implementation of AB 705 at LPC

- Curricular and Scheduling Changes
- Informing Students
- Guiding and Supporting Students

# ENGLISH RESPONSE TO AB 705

**2.5+ HS GPA**

**Any GPA**

**OPTIONAL**

**Below Transfer Level**

**Transfer Level**

**ENGLISH 104**  
4 Units  
(3 Hrs Lecture + 3 Hrs Lab)

**ENGLISH 1A**  
3 Units  
(3 Hrs Lecture + 1 Hr Lab)

**ENGLISH 1AEX**  
4 Units  
(3 Hrs Lecture + 3 Hrs Lab)

**ENGLISH 1A**  
3 Units  
(3 Hrs Lecture + 1 Hr Lab)

**ENGLISH 4 or 7**  
3 Units  
(3 Hrs Lecture)

# **MATH RESPONSE TO AB 705**

# Las Positas College Mathematics Department

## Pathways to First Transfer-Level Math

AB 705 encourages students with a goal to transfer to enroll directly into a first transfer-level math course.

If a student's academic goal is an Associate Degree, they can achieve their goal with an Intermediate Algebra class (1 level below transfer).

### First Transfer-Level Math

ALL students may self-place into this level.

**MATH 40 UC/CSU**  
Statistics and Probability, 4 units

**MATH 47 UC/CSU**  
Math for Liberal Arts, 3 units

**MATH 33 UC/CSU**  
Finite Mathematics, 4 units

**MATH 34 UC/CSU**  
Calculus for Business and Social Sciences, 5 units

**MATH 30 UC/CSU**  
College Algebra for STEM, 4 units

**MATH 39 CSU**  
Trigonometry, 4 units

### 1 Level below Transfer Satisfies AA/AS Degree

ALL students may self-place into this level based on their goal. This level is currently required by some Science and Economics courses.

**MATH 50 or NMAT 250**  
Intermediate Algebra for SLAM  
4 units  
OR  
**MATH 55 or NMAT 255**  
Intermediate Algebra for BSTEM  
5 units

**MATH 55 or NMAT 255**  
Intermediate Algebra for BSTEM  
5 units

### 2 Levels below Transfer

Students may choose this level.

**MATH 110 or NMAT 210**  
Elementary Algebra, 4 units

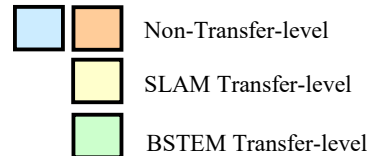
### 3 Levels below Transfer

Students may choose this level. Only offered in Emporium mode.

**MATH 107 or NMAT 207**  
Pre-Algebra, 4 units

BSTEM: Business, Science, Technology, Engineering and Mathematics

SLAM: Statistics, Liberal Arts Mathematics



Math 39 & Math 30 may be taken in any order, or concurrently. Suggested: Take Math 30 first.

### Second Transfer-Level Math

**MATH 1 UC/CSU**  
Calculus I, 5 units

Students can place into MATH 1: Calculus I via:

- Pass MATH 30 and MATH 39, or
- HS GPA  $\geq 3.0$  and A, B, or C in HS Precalculus all academic year, or
- HS Calculus with A, B, or C.

Students can place into MATH 2: Calculus II with AP AB score 3, 4, or 5.

Students can place into MATH 3: Multivariable Calculus with AP BC score 3, 4, or 5.



# Enroll with Confidence! Choose one or more supports.

## MATH JAM BOOTCAMP COURSES

*Award-winning, 1-week  
before the semester starts,  
& tuition-free!*

Offered the week before the Fall and Spring semesters. Innovative learning interventions help you prepare for upcoming mathematic courses. Proven to increase student success and retention rates!

### NMAT 261

Math Jam for Pre-Algebra

### NMAT 262

Math Jam for Elementary  
Algebra

### NMAT 263

Math Jam for Intermediate  
Algebra

### NMAT 264

Math Jam for SLAM  
(Statistics, Liberal Arts Math)

### NMAT 265

Math Jam for BSTEM (Business Calculus, College  
Algebra,  
and Trigonometry)

### MATH 66\* 1 unit

Math Jam for Calculus  
(Calculus I, II & III)

\*Offered for credit only



## CONCURRENT SUPPORT COURSES

**NEW!** Jam all semester long with  
**RECOMMENDED support during the  
semester.**

Offered for credit or tuition-free (noncredit).

Aligned with your math course and  
designed with innovative strategies to provide  
math and learning support while taking your  
math class.

### NMAT 200C or MATH 100C

Concurrent Support for SLAM  
(Statistics, Liberal Arts Math)

### NMAT 201C or MATH 101C

Concurrent Support for BSTEM  
(Business Calculus, College Algebra, and  
Trigonometry)

### MATH 66C\* 1 unit

Concurrent Support for  
Calculus I, II and III

\* Offered for credit only

### NMAT 255C or MATH 55C

Concurrent Support for  
Intermediate Algebra

### NMAT 210C or MATH 110C

Concurrent Support for  
Elementary Algebra

## FOUNDATIONAL and ASSOCIATE'S DEGREE LEVEL COURSES

Solidify your math understanding *prior* to  
Intermediate Algebra or transfer -  
level. We offer credit and tuition-free (noncredit)  
foundational and associate degree level math  
courses to meet your learning needs.

**Math 55** (5 units)  
or  
**NMAT 250**

Intermediate  
Algebra  
for BSTEM  
(Business and STEM  
fields)

**Math 50** (4 units)  
or  
**NMAT 250**

Intermediate  
Algebra  
for SLAM  
(Statistics, Liberal Arts  
Math)

**Math 110** (4 units)  
or  
**NMAT 210**  
Elementary Algebra

**Math 107** (4 units)  
or  
**NMAT 207**  
Prealgebra

# Effect on Courses with Math Prerequisites

Disciplines have decided on new prerequisite equivalents.

	CHEM 30A (prerequisite MATH 110)	CHEM 31 (prerequisite MATH 55)	ECON 1 and 2 (prerequisite MATH 55)
MATH 110 - Elementary Algebra	Yes	No	No
MATH 50 - Intermediate Algebra for SLAM	Yes	No	No
MATH 55 - Intermediate Algebra for STEM	Yes	Yes	Yes
MATH 30 - College Algebra for STEM	Yes	Yes	Yes
MATH 39 - Trigonometry	Yes	Yes	Yes
MATH 34 - Calculus for Business & Soc. Sciences	Yes	Yes	Yes
MATH 33 - Finite Mathematics	Yes	Yes	Yes
MATH 40 - Statistics & Probability	No	No	No
MATH 47 - Math for Liberal Arts	No	No	No
HS Algebra 2 or higher OR Integrated Math 3	Yes	Yes	Yes
HS Algebra 1 or higher OR Integrated Math 2	Yes	No	No
HS GPA >=	3	3	3
Additional info or Considerations	HS GPA "AND" class	HS GPA "AND" class	HS GPA "AND" class



# Number of Course Offerings Reflects AB 705 Implementation

Between Fall 2018 and Fall 2019:

## English

- First level transfer sections 44 → 53 (+20.5%)
- Below transfer level sections 12 → 3 (-75.0%)

## Math

- Second level transfer sections 14 → 19 (+35.7%)
- First level transfer sections 38 → 47 (+23.7%)
- Below transfer level sections 28 → 9 (-67.9%)



# Course Offerings More Than One Level below Transfer

- Las Positas College does not offer any sections of English more than one level below transfer.
- Las Positas College has reduced by 92% the number of math sections that are more than one level below transfer.
- Other options for students choosing these courses
  - Math Emporium mode of instruction
  - Noncredit mirrored courses



# Students Served by Below-Transfer Level Courses

- Students earning an Associate degree who do not choose to take transfer-level math
- Students fulfilling algebra prerequisite for STEM and Economics
- Middle College students
- English as a Second Language (ESL) learners
- International students
- Retry or adult students
- Non-high school graduates
- Students who opt to take such courses

# **COLLEGE-WIDE RESPONSE TO AB 705**



# Notifying and Guiding Students

New and returning students are notified of their right to access transfer-level courses and guided to their correct path through

- Guided Self-Placement tool
- new student orientations
- outreach efforts
- academic counseling appointments
- education planning session
- classroom presentations
- on-campus programming
- e-mail and social media blasts
- print and web resources



# Supporting Students

LPC works to maximize student completion of transfer-level English and math courses by providing academic and student programs such as:

- Embedded-support curriculum
- Concurrent-support curriculum
- Non-credit curriculum
- Reading and Writing (RAW) Center
- Math Jam
- Smart Shops
- Tutoring
- Academic Counseling
- Educational Planning





# LPC Commitment

Las Positas College is committed to providing academic and student support services to achieve the goal of maximizing the probability students will enter and complete transfer-level coursework in English and math.



# AB 705 Implementation Results and Surprises

- Enrollment trends
- Proletunities
- Looking ahead to Spring 2020

# Questions?

