

LAS POSITAS

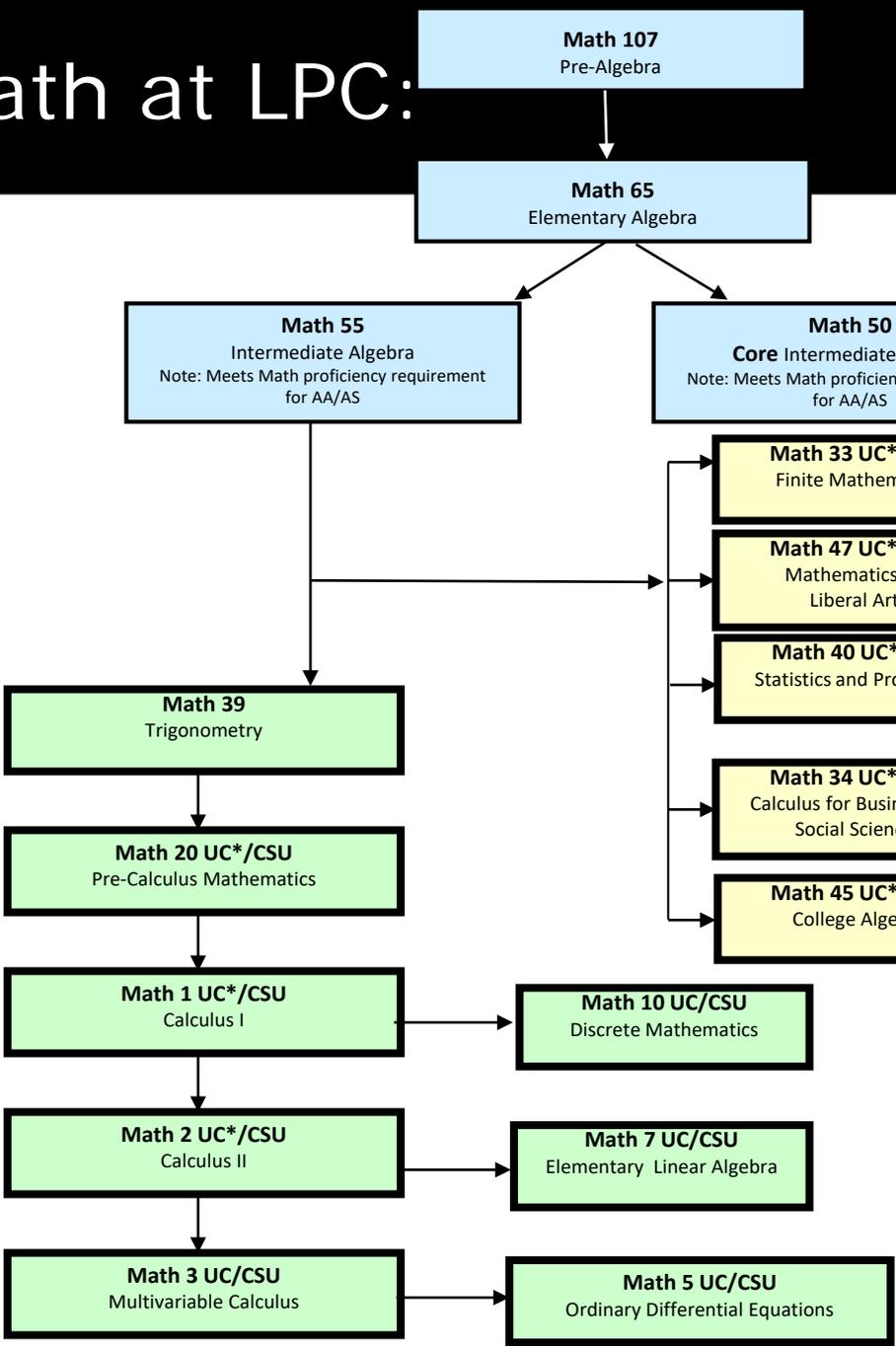


LAS POSITAS
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Upcoming Math Program Changes
Ashley McHale & Kristy Woods
Mathematics Faculty



Math at LPC:



Math 71
Applied Math
for Technicians

CSU = Courses are transferable to CSU
UC* = Courses are transferable to UC
Transfer limitations to UC are as follows:

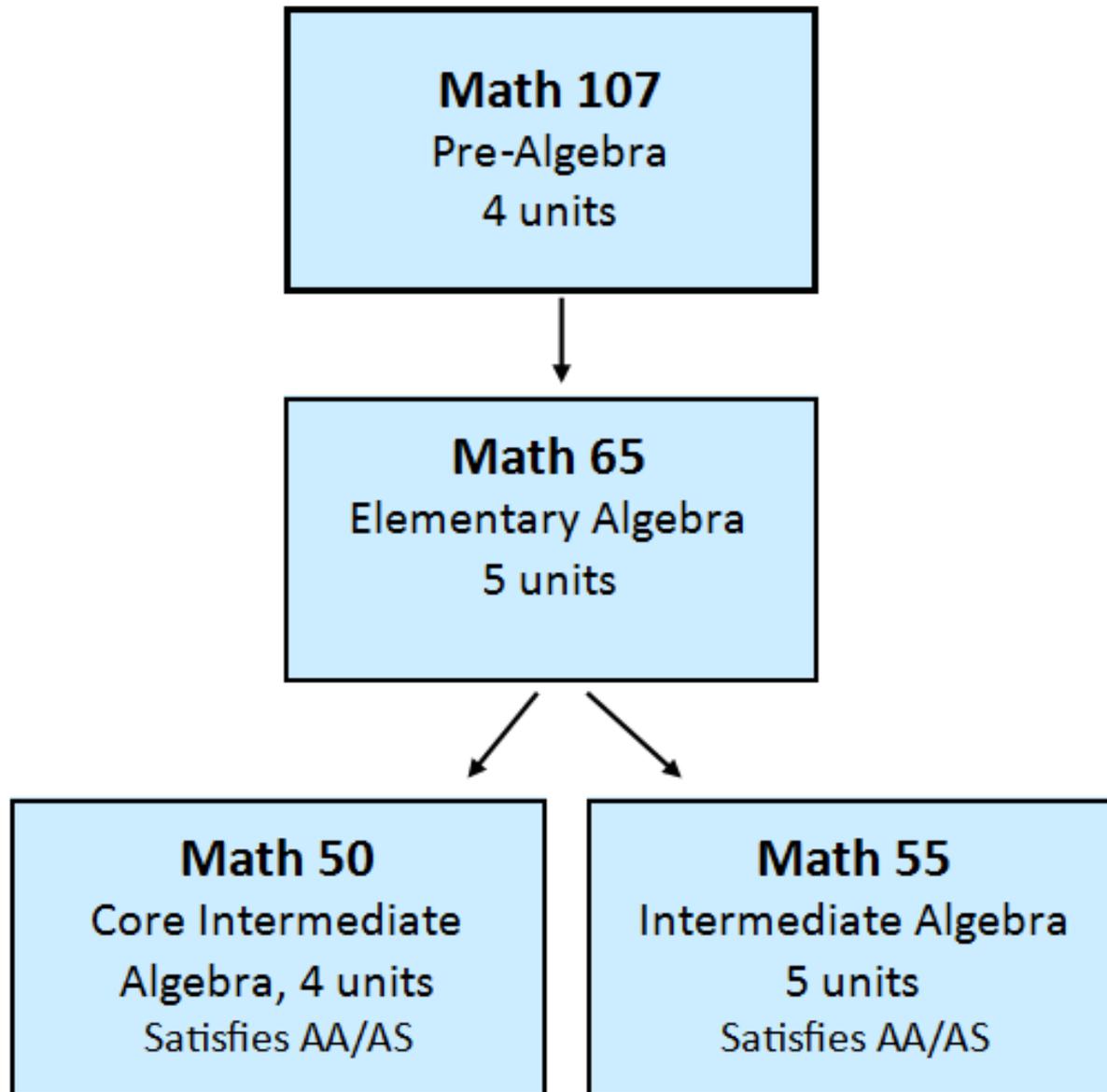
- 1, 2, and 33, 34 combined: maximum credit, one series
- 20 and 45 combined: maximum credit, one course
- Credit may be granted for 42 or 44

To support our students in achieving their academic goals, we want to clarify the following:

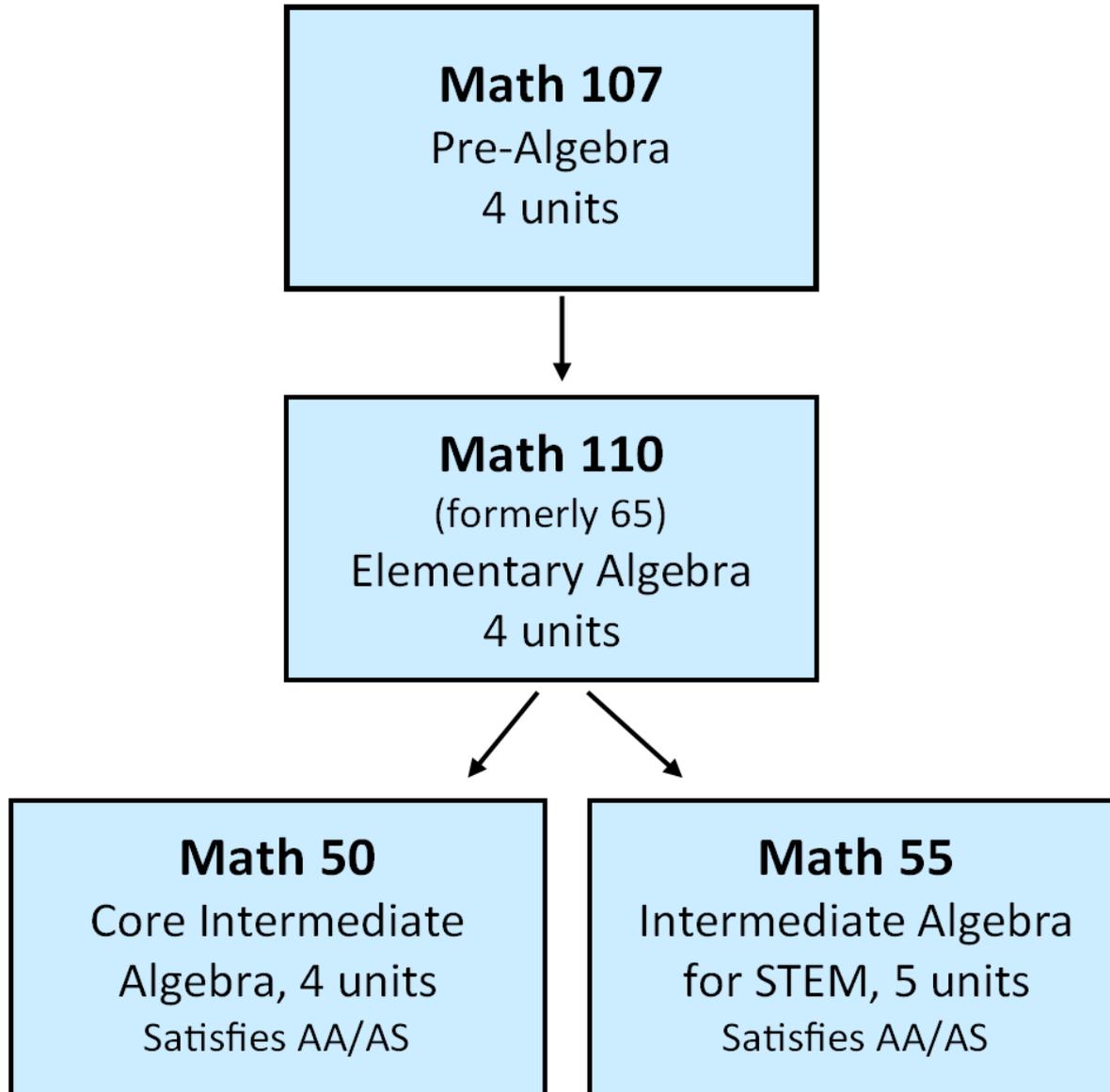
- Pathway to AA/AS Degree
- STEM Pathway to Transfer
- Non-STEM Pathway to Transfer

- Technical Math Pathways

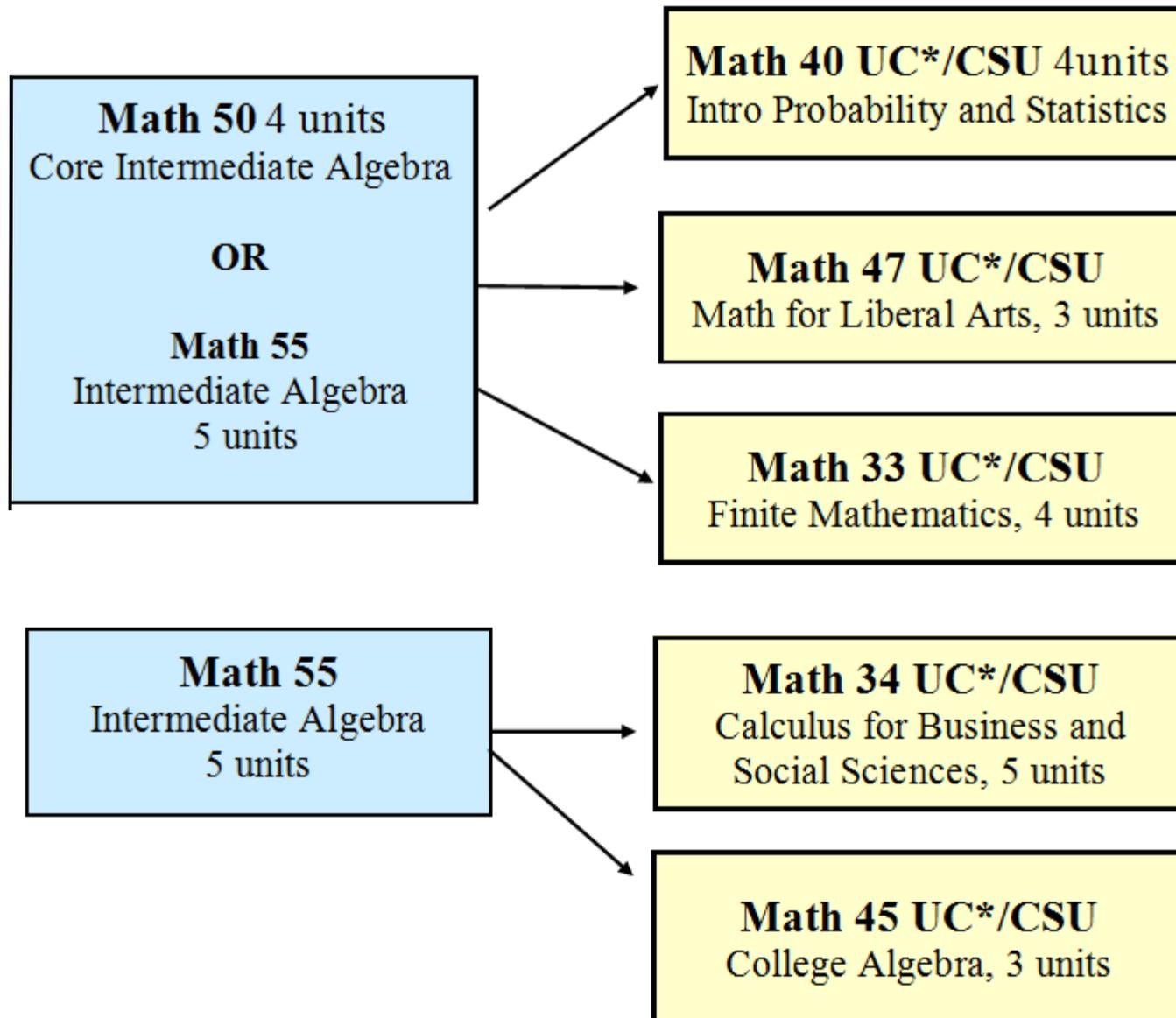
Pathway to AA/AS Degree: Currently



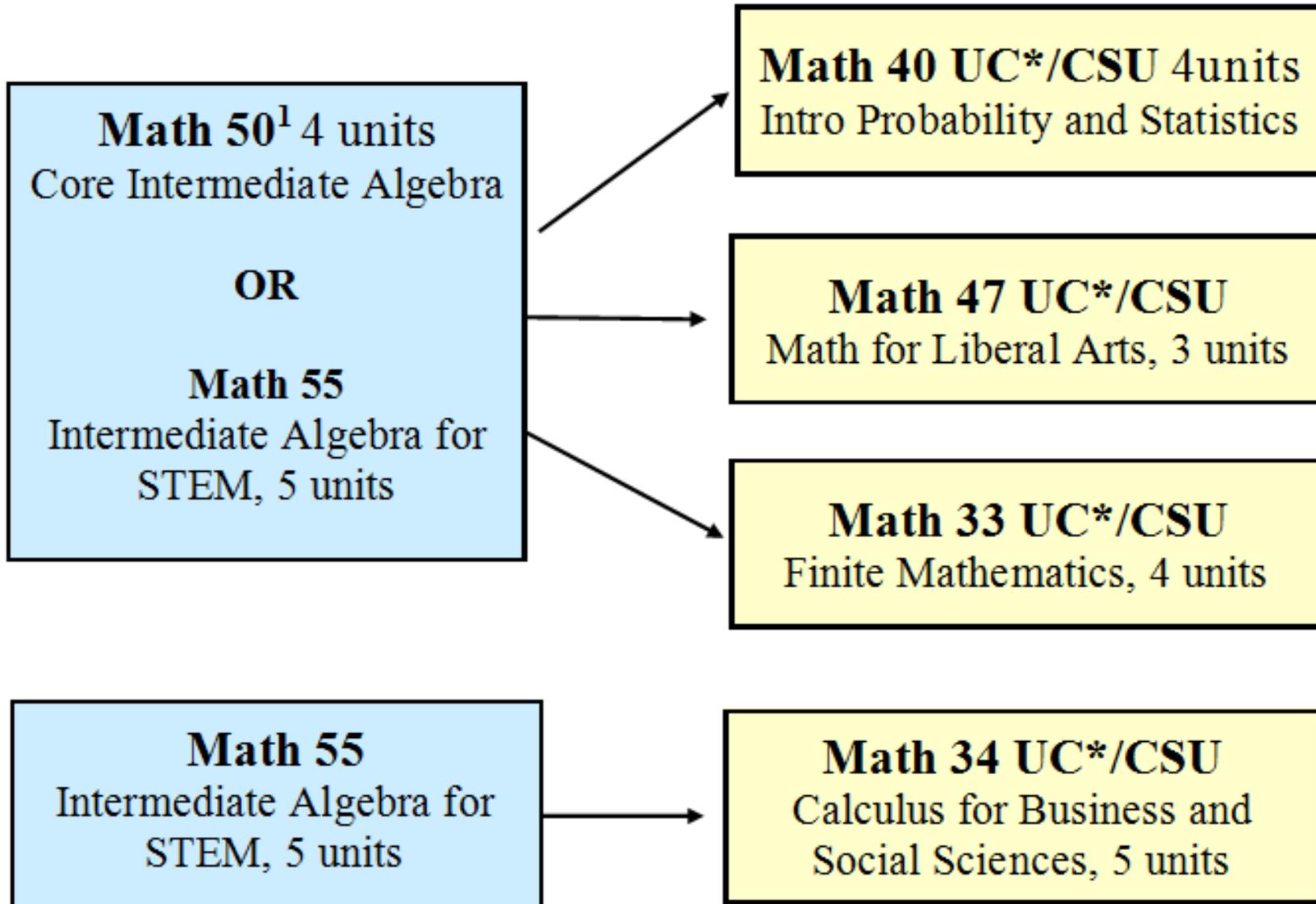
Pathway to AA/AS Degree: Effective Fall 2018



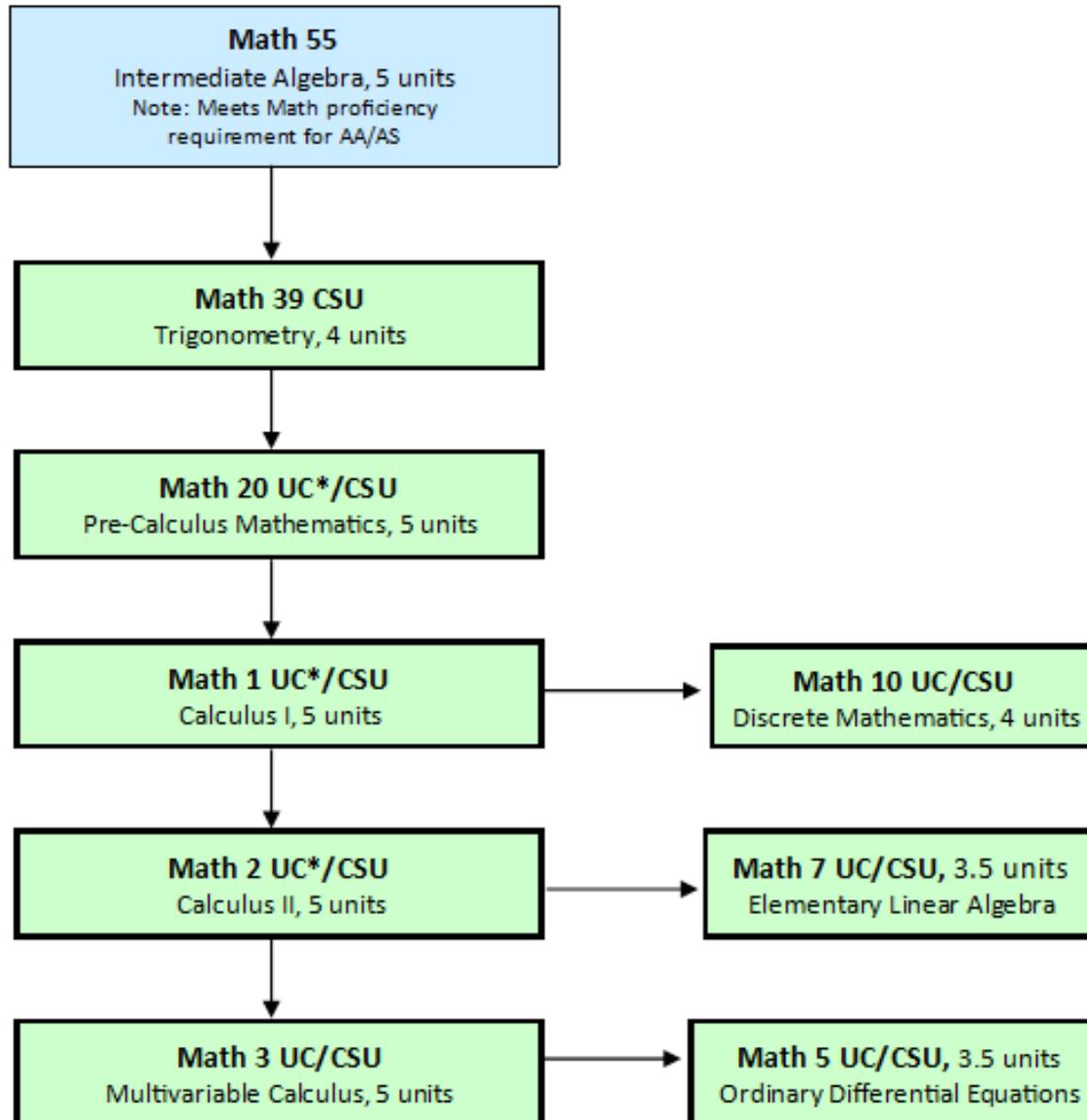
Pathway to Transfer Non-STEM: Currently



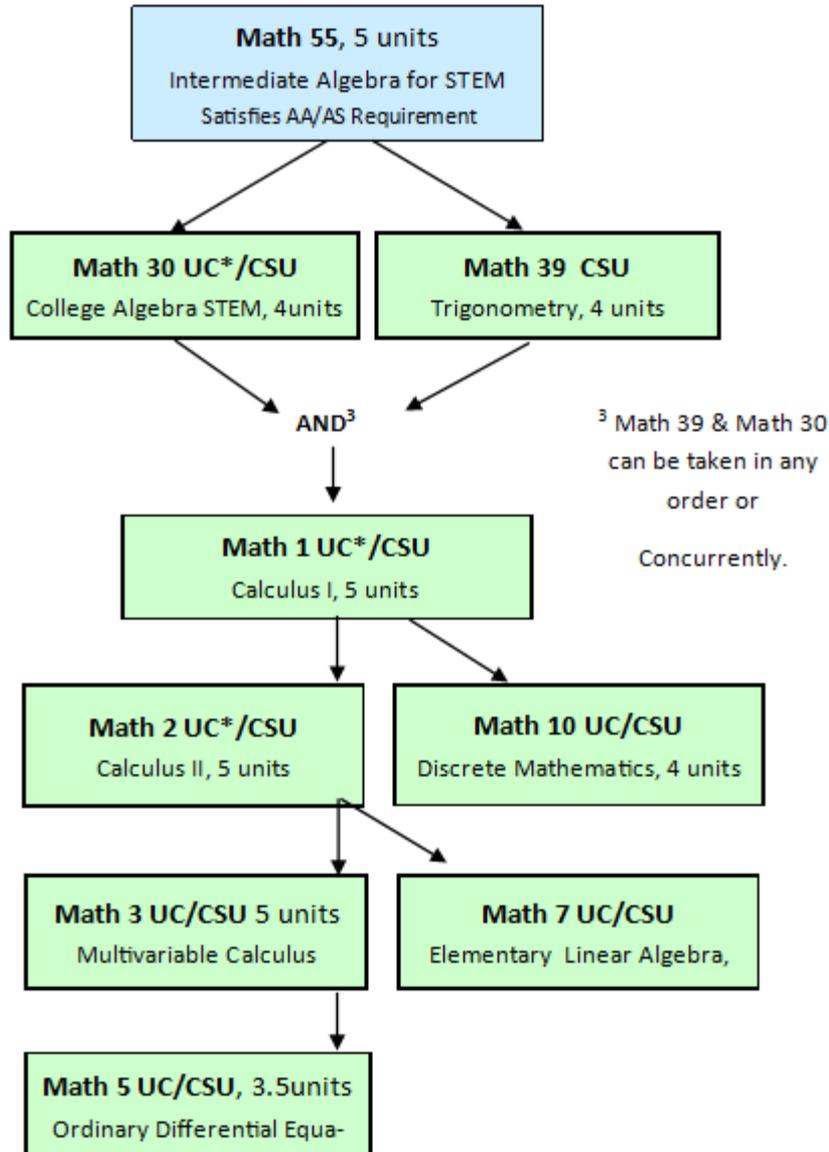
Pathway to Transfer Non-STEM: Effective Fall 2018



Pathway to Transfer STEM: Currently



Pathway to Transfer STEM: Effective Fall 2018



Technical Math Pathway: Currently

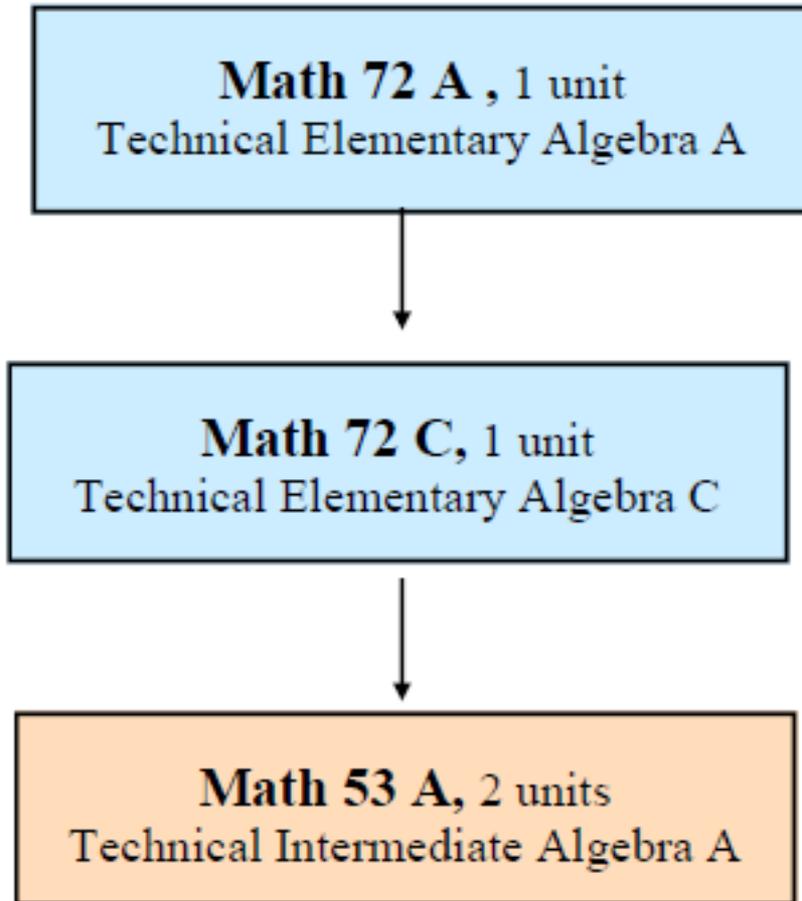
Math 71 A, 1.5 unit
Applied Math for Technicians A



Math 71 B, 1.5 unit
Applied Math for Technicians B

Required math for a certificate in
Welding Technology

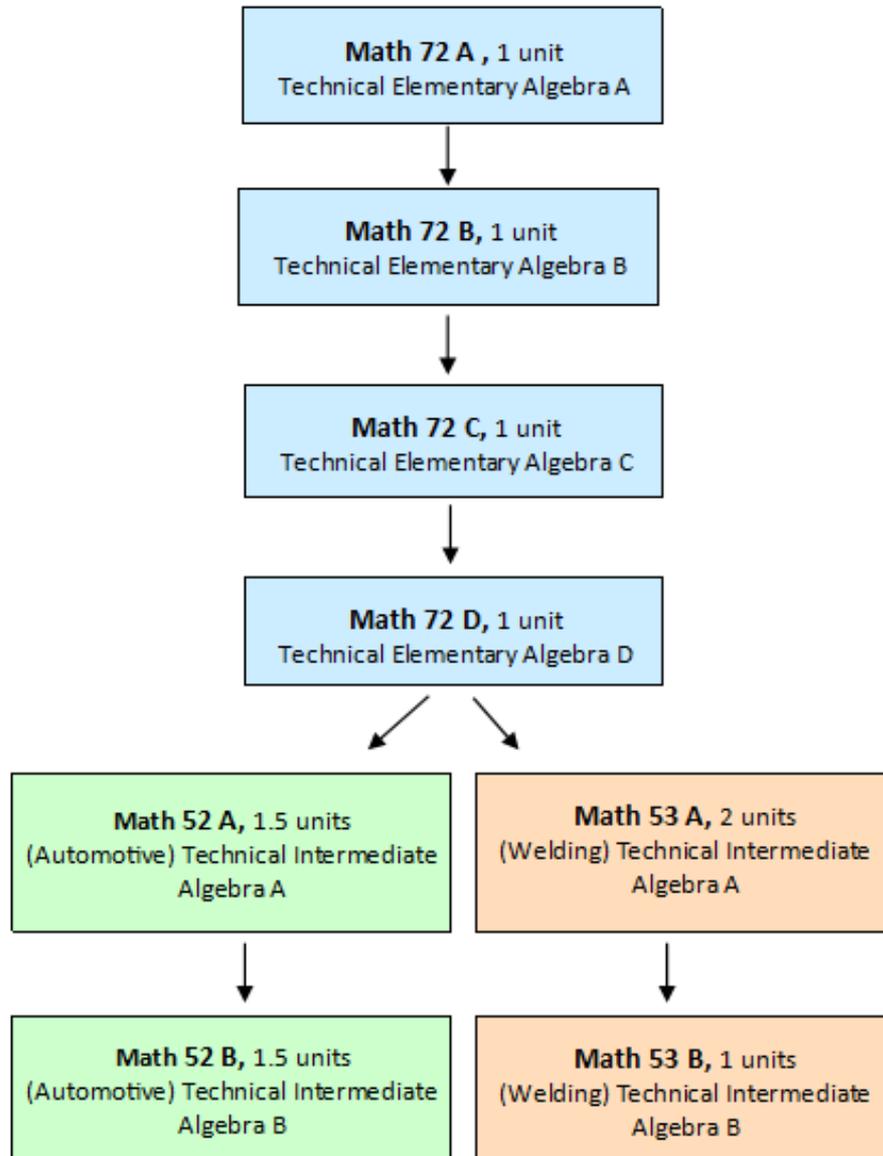
Technical Math Pathway to Certificate: Effective Fall 2018



This sequence satisfies the requirement for Welding Certificate.

This sequence is also equivalent to former sequence 71A + 71 B.

Technical Math Pathway to AA/AS: Effective Fall 2018



This 7 unit sequence is in-context of Automotive or Welding and satisfies the math requirement for AS. Degree.

This pathway does not lead to transfer level math classes.



- Math Jam 

Prepare for upcoming math class or retake placement test – week before semester starts.
- Co-Requisite Courses

2-unit support courses taught by same instructor as lecture classes provide rigorous support in mastering math concepts and key learning skills to succeed in college.
- *Fast Track*

Two courses offered back to back in 8-week, 8-week sessions during regular Fall or Spring terms.

Non-Credit Hope for the Future

If non-credit is adopted by the District, LPC Math Department is interested in converting the following courses into non-credit:

- Math 107
- Math 110
- Math Jam
- Co-requisite Support Courses, basic skills and transfer levels

We believe these curriculum changes would allow us to create non-credit certificates that would satisfy CDCP funding requirements and help to institutionalize many of these necessary student supports.

Math Jam

August 13 - 17, 2018
January 7 - 11, 2019



Math Jam (TUTR 200)
Register today
FREE for all LPC Students
<http://www.LasPositasCollege.edu/MathJam>



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Successful January 2018 Math Jam!

- 220 participants ranging from Pre-Algebra to Pre-Calculus.
- 101 participants jumped on Friday into a higher math class with multiple measures for placement.
 - Ex: 6 Pre-Algebra students jumped into Statistics – 3 semesters!

Students at our college who attended Math Jam improved dramatically...

- Math Jam participants have approximately 10% higher success rate in their subsequent math course compared to the general population.
- Students who re-took the Placement exam and “jumped” a math class are also very successful.

ACCELERATED Two Semester Option Track NON-STEM TRANSFER

Fall Semester

Math 110

(formerly 65) Elementary Algebra
4 units

+

Math 110C

Elementary Algebra Co-Requisite
Support, 2 units

and

Spring Semester

Math 50

Core Intermedi-
ate Algebra
4 units
Satisfies AA/AS

Fast-Track

Math 40

Statistics and
Probability
4 units
UC & CSU
Transferable

Fast-Track

ACCELERATED Two Semester Option Track for STEM

Fall Semester

Math 55

Intermediate Algebra for STEM
5 units Satisfies AA/AS

+

Math 55C

Intermediate Algebra for STEM
Support, 2 units

and

Spring Semester

Math 30

College Algebra
for STEM 4 units
UC & CSU Trans-
ferable

Fast-Track
8 weeks

Math 39

Trigonometry
4 units
CSU
Transferable

Fast-Track
8 weeks

Individual Reflection

Please reflect on the following questions:

- How will these changes impact your interactions with students? (pink)
- How can we as a college support students in streamlining and understanding their academic pathways? (green)
- What additional structural/curriculum changes need to happen to support our students? These changes do not have to be math specific. (purple)



Think, pair-share.



Thank you for coming!

Please take a moment to fill out the LPC FLEX Day “Professional Development Workshop Evaluation Form.”

Leave them on your tables before you go so that we can collect the information and continue to improve as a college.



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Placement in Mathematics

LPC Math Assessment Recommendations

•Spring 2018 Assessment Period (10/2/17- 1/29/18)

Recommended Math Placement	If Test Only		If MM Only		Actual Placement	
Math 1 - Calculus	24	4%	33	5%	47	7%
Math 20 - Pre-Calculus	35	5%	40	6%	62	9%
Math 38/39/35/45 - Trig & STEM Transfer	72	11%	82	12%	113	17%
Math 40/47/33 - Stat & Non-STEM Transfer	101	15%	100	15%	140	21%
Math 50/55 - Intermediate Algebra	101	15%	131	19%	61	9%
Math 65 - Elementary Algebra	181	27%	0	0%	150	22%
Math 107 - Pre-Algebra	151	22%	0	0%	99	15%
No Recommendation	7	1%	286	43%	0	0%
Total Placements	672	100%	672	100%	672	100%

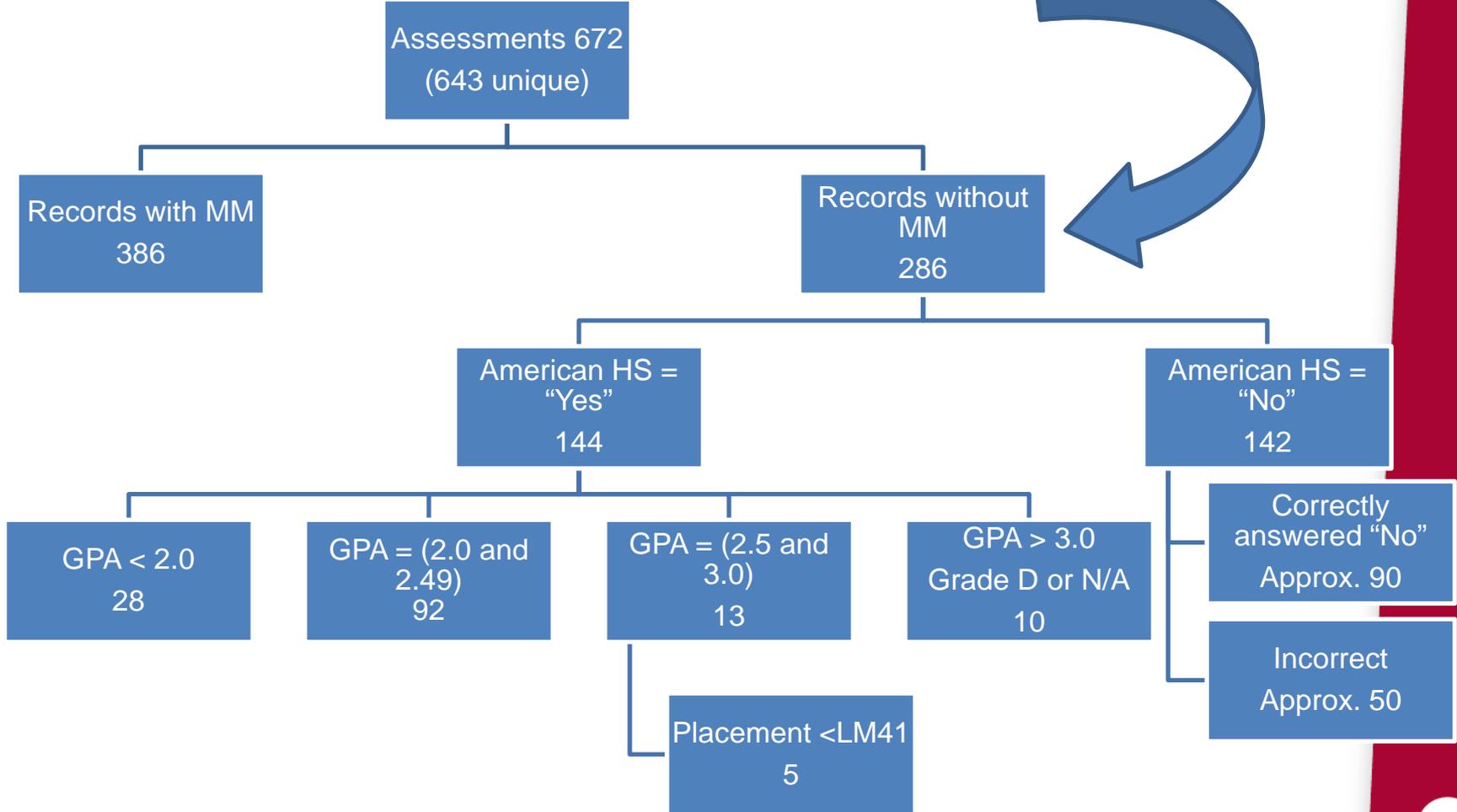
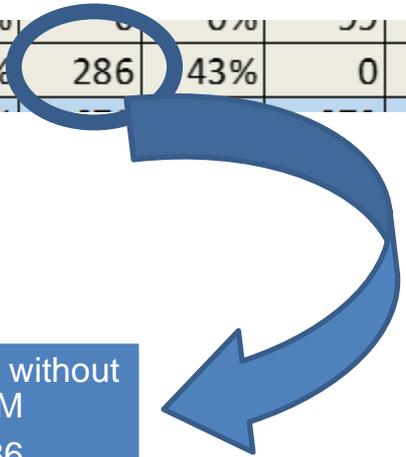
LPC Math Assessment Recommendations

•Spring 2018 Assessment Period (10/2/17-1/29/18)

Recommended Math Placement	Test		Multiple Measures		Both Methods		Total
	Count	Percentage	Count	Percentage	Count	Percentage	
Math 1 - Calculus	14	30%	23	49%	10	21%	47
Math 20 - Pre-Calculus	25	40%	35	56%	2	3%	62
Math 38/39/35/45 - Trig & STEM Transfer	43	38%	54	48%	16	14%	113
Math 40/47/33 - Stat & Non-STEM Transfer	57	41%	70	50%	13	9%	140
Math 50/55 - Intermediate Algebra	61	100%	0	0%	0	0%	61
Math 65 - Elementary Algebra	78	52%	30	20%	42	28%	150
Math 107 - Pre-Algebra	99	100%	0	0%	0	0%	99
Total Placements	377		212		83		672

What about the 286?

Math 107 - Pre-Algebra	151	22%	286	43%	0	0%
No Recommendation	7	1%	286	43%	0	0%





California LEGISLATIVE INFORMATION

Assembly Bill No. 705 may legislate additional changes to the placement and curriculum.

Assembly Bill No. 1805 may legislate transparency of all multiple measure rules on college websites.

This could impact English, ESL and Math if passed, with compliance required by Fall 2019.