

INTEROFFICE CORRESPONDENCE

Los Angeles Unified School District
Division of Instruction

TO: High School Principals

DATE: April 25, 2025

FROM: John Vladovic, EdD 
Executive Director, Secondary Instruction

**SUBJECT: REQUESTING SPECIALIZED MATHEMATICS COURSES FOR
2025-2026**

The purpose of this correspondence is to inform high school principals about the process for requesting specialized mathematics courses for the 2025-2026 academic year. The Division of Instruction is committed to providing diverse mathematical pathways that support student learning and foster college and career readiness.

Background

As outlined in REF-069702.2, High School Mathematics Placement and Pathways, LAUSD offers several specialized mathematics courses that provide pathways for students after successfully completing Algebra 2. These courses support the district's goal of having all students complete four years of high school mathematics. These specialized courses include: Transition to College Mathematics and Statistics (TCMS), Introduction to Data Science (IDS), Honors Multivariable Calculus and Honors Linear Algebra. Additionally, schools can also offer Financial Algebra 1AB and 2AB as an alternative to the traditional Algebra sequence.

Course Information

Transition to College Mathematics and Statistics (TCMS):

- A fourth-year mathematics course preparing students for college-level mathematics
- Prerequisites: Passed Algebra 1, Geometry, and Algebra 2 with a grade of 'C' or better
- Note: TCMS will not validate Algebra 2

Introduction to Data Science (IDS):

- A fourth-year mathematics course that deepens student understanding through the application of computer programming and coding, while fostering critical thinking about data and its use in problem-solving
- Requires computer access for each enrolled student, such as a Chromebook
- Prerequisites: Passed Algebra 1, Geometry, and Algebra 2AB or Financial Algebra 2AB with a grade of 'C' or better
- Note: IDS will not validate Algebra 2

Honors Multivariable Calculus AB

- This advanced mathematics course should be taken after completing AP Calculus BC
- Multivariable calculus is the study of differential, integral, and vector calculus for

functions of more than one variable

- Multivariable Calculus is a rigorous course that builds on the skills and concepts students learned in AP Calculus BC

Honors Linear Algebra AB

- This advanced mathematics course should be taken after completing Honors Multivariable Calculus AB
- This yearlong course introduces the basic theory of linear algebra, as students study sets of linear equations and their transformations. Students study equations and matrices, real vector spaces, bases and dimension, rank, nullity, linear transformations as matrices, determinants, eigenvalues and eigenvectors, inner product spaces, and the diagonalization of symmetric matrices

Financial Algebra 1AB and 2AB:

- Algebra concepts taught through finance and business applications, which make algebra concepts relevant and motivating
- Integrates financial concepts such as taxes, budgeting, and investing into algebra instruction, and is appropriate for students with an interest in finance and business
- Completion of Financial Algebra 2 satisfies the third year LAUSD graduation and minimum subject area C mathematics requirement

Requirements for Offering Specialized Courses

To ensure successful implementation, schools interested in offering these specialized courses must:

- Identify qualified teachers who will commit to teaching the course,
- Ensure selected teachers participate in required professional development,
- Provide necessary resources (e.g., textbooks, computers for IDS), and
- Submit the appropriate Intent to Offer form by Monday, May 12, 2025.

Professional Development

Information regarding professional development for these courses will be communicated separately. Selected teachers must attend all required training sessions prior to teaching these courses.

Submission Process

- Complete the appropriate Intent to Offer form. Scan and email completed forms by Thursday, May 1, 2025 to SecondaryMath@lausd.net.
 - Attachment C1: Intent to Offer Transition to College Mathematics and Statistics
 - Attachment C2: Intent to Offer Introduction to Data Science
 - Attachment C3: Intent to Offer Financial Algebra
- To request Honors Multivariable Calculus AB or Honors Linear Algebra AB, please contact your Region Counseling Coordinator.

Additional Information

- Only schools/teachers who have received the required training will have course numbers

available to add to their master schedules in MiSiS.

- Specialized courses may not be offered within special day programs; however, all students can access the programs through the general education program.
- Schools must ensure students are appropriately placed based on prerequisites and academic needs.

For assistance or additional information, please contact Philip Ogbuehi, Coordinator, Secondary Mathematics, Division of Instruction at (213) 241-6444, or by email at SecondaryMath@lausd.net.

c: Karla V. Estrada
Region Superintendents
Frances Baez
Anthony Aguilar
Pia Sadaqatmal
Robert Whitman
Karen Mercado
Region Administrators of Instruction
Region Directors

Intent to Offer Transition to College Mathematics and Statistics in 2025-2026

Transition to College Mathematics and Statistics (TCMS) provides an alternative course pathway for high school students. TCMS is designed to ensure college readiness for students who complete Algebra 1, Geometry, and Algebra 2. Students who complete TCMS with a “C” or better will have a greater chance of being placed in college-level general education mathematics classes without additional support.

Principals should complete this form to indicate their intent to offer TCMS.

Please scan and email the completed form to:

Administrator, High School Instruction, Division of Instruction at

SecondaryMath@lausd.net

Deadline to Return Form: Monday, May 12, 2025.

School Name		Location Code				
		Region	E	N	S	W
Principal		LAUSD Email				
APSCS Name		LAUSD Email				
Coach/ Math Lead		LAUSD Email				

I recommend the following teacher to be trained for the course.

Transition to College Mathematics and Statistics: Roster-Carrying Teacher for 2025-2026

Assigned Math Teacher Last Name, First Name	Employee Number	Program (GenEd or SDP-Core)	Grade Level(s)	Number of Sections	Projected Enrollment Estimate # of students per section

I understand the purpose of the TCMS. I, agree to provide the intended course as designed with appropriate support.

Principal Signature: _____

Date: _____

For questions, please contact Secondary Mathematics Program, Division of Instruction at 213-241-6444.

Intent to Offer Introduction to Data Science in 2025-2026

The Introduction to Data Science (IDS) provides an alternative course pathway for high school students. IDS is designed to ensure college readiness for students who complete Algebra 1, Geometry, and Algebra 2. The main goal of IDS is to teach students to think critically about and with data. Students who complete IDS with a “C” or better will have a greater chance of being placed in college-level general education mathematics classes without additional support.

Principals should complete this form to indicate their intent to offer IDS.

Please scan and email the completed form to:

Administrator, High School Instruction, Division of Instruction at

SecondaryMath@lausd.net

Deadline to Return Form: Monday, May 12, 2025.

School Name		Location Code				
		Region	E	N	S	W
Principal Name		LAUSD Email				
AP SCS Name		LAUSD Email				
Coach/Math Lead		LAUSD Email				

I recommend the following teacher to be trained for the course:

Introduction to Data Science: Roster-Carrying Teacher for 2025-2026

Assigned Math Teacher Last Name, First Name	Employee Number	Program (GenEd or SDP-Core)	Grade Level(s)	Number of Sections	Projected Enrollment Estimate # of students per section

I understand the purpose of the IDS. I, agree to provide the intended course as designed with appropriate support.

Principal Signature: _____ Date: _____

For questions, please contact Secondary Mathematics Program, Division of Instruction at 213-241-6444.

Intent to Offer Financial Algebra in 2025-2026

Financial Algebra 1 and Financial Algebra 2 provide an alternative course pathway for high school students. This course is intended for all students, including students with disabilities, who are interested in finance and business, and students in Linked Learning schools with a finance and business emphasis. The course will be suitable as another course option for students to complete their "C" math requirements for graduation.

Principals should complete this form to indicate their intent to offer Financial Algebra 1 and Financial Algebra 2.

Please scan and email the completed form to:
High School Instruction, Division of Instruction at
SecondaryMath@lausd.net

Deadline to Return Form: Monday, May 12, 2025.

School Name		Location Code				
		Region	E	N	S	W
Principal Name		LAUSD Email				
AP SCS Name		LAUSD Email				
Coach/Math Lead		LAUSD Email				

I recommend the following teacher to be trained for the course:

Roster-Carrying Financial Algebra 2AB Teachers for 2025-2026

Assigned Math Teacher Last Name, First Name	LAUSD Employee Number	Program (GenEd or SDP-Core)	Grade Level(s)	Number of Sections	Projected Class Enrollment Estimate # of students per section		
					GenEd	RSP	SDP

I understand the purpose of the Financial Algebra 1AB or 2AB. I, therefore, agree to provide the intended course as designed with appropriate support, such as technology, textbook, and release time for planning.

Principal Signature: _____ Date: _____

For questions, please contact Secondary Mathematics Program, Division of Instruction at 213-241-6444.