

Sample 4-year MATH BS Integrated Teaching (ITEP) Roadmap for ELAC-Cal State LA Transfers				
Year 1 (ELAC)	Fall	Spring	Instructions	Total units
	GE A1	GE A3	In year 1, take as many math courses as you can, as math is hierarchical	
	GE A2	MATH 272 Discrete Math	In year 1, take only GE courses you need, i.e., GE block A and E	
	MATH 227 Statistics	MATH 262 Calculus II	Taking summer courses can expedite your graduation	
	MATH 261 Calculus I <i>Satisfies GE B4</i>	PHYS 1 <i>Satisfies GE B1</i> GE US HISTORY		
Year 2 (ELAC)	Total 16 Units	Total 18 Units	Total units	
	MATH 263 (3) Calculus III	GE C1	In GE category C or D Choose one GE course with (re) symbol	
	GE D1	GE C2	Complete ALL lower division major courses (2000 level and below)	
	BIOLOGY 6 <i>Satisfies GE B2</i>	MATH 275 Differential Equations		
	GE US CONSTITUTION	GE D2		
	CO SCI 290 Computer Algebra	MATH 270 Linear Algebra	Math ITEP students are EXEMPT from taking upper division GE	
	Total 17 Units	Total 15 Units	Summer Bridge	
Year 3 (Cal State LA)	MATH 3450 (4) Foundations of Math II <i>Pre-requisite to most UD math courses</i>	MATH 4460 (3) Number Theory	EDSE 4502* (3) <i>Satisfies UD GE C</i>	
	MATH 3950 (3) Field Experience I* <i>Satisfies UD GE B/cl/ WI</i>	MATH 3960 (2) Field Experience II <i>Satisfies UD GE B/cl/WI</i>	EDSE 5000* (3)	
	EDSP 4000 (3)	Math 2600 (3) Analytic Geometry	EDFN 4131 (3)	
	EDFN 4400 (3) <i>Satisfies (d)/UD GE D</i>	EDCI 4000 (3)	Math 4650 (3) Analysis I	
	MATH 4740 (3) Theories of Probability	EDSE 4301 (3)	*EDSE 4502 and EDSE 5000 requires 15 students or more to be offered	
	<i>Apply to Credential Program while in 3950</i>	<i>Conditional Admission to Credential Program</i>	<i>Formal admission to Credential Program</i>	
	Total 16 Units	Total 14 Units	Total 12 units	42
Year 4 (Cal State LA)	MATH 4570 (3) Linear Algebra	EDSE 4453 (5) <i>Student Teaching</i>	Student recommended for Preliminary Credential, only if compliant with all CTC requirements, AND completed all requirements of ITEP (degree & Credential)	
	MATH 4300 (3) Modern Geometry	EDSE 4463 (3) Teaching Assessment		
	EDSE 4292 (3) EDSE 4212M (3) <i>MATH teaching methods course</i>	MATH 4901 (4) Capstone course for teachers <i>Satisfies upper division WI requirement and GWAR</i>		
	EDSE 5002 (3)			
	Obtain CSET waiver	Email Dr. Ray for CSET waiver draycha@calstatela.edu		
Total 15 units	Total 12 Units		27	
Grand Total				

**Notes:**

- This is a SAMPLE roadmap for the 135 semester unit **Math BS Option 3 Integrated Teaching degree (ITEP)**, designed to be completed within 4 years (Typically a Degree + Credential takes 5.5 years, such as in Math BS option 4 followed by a credential).
- Utilize this file to design your own roadmap, with advice from math ITEP & Credential advisor (Dr. Raychaudhuri, draycha@calstatela.edu).
- The courses/course offerings might change following program modification. Check Cal State LA Math dept. website and CCOE website respectively, for future math and education course offering plans.