Sample 4-year BS Integrated Teaching (ITEP) Roadmap for Cal State LA Freshmen

	Fall	Spring	Instructions	Total units
Year 1	GE A1 (3)	GE A3 (3)	In year 1, take as many major courses as you can	
	GE A2 (3)	MATH 2450 (3) Foundations of Math I	In year 1, tonly ake GE courses that you need, i.e., GE block A and E	
	MATH 2740 (3) Statistics	MATH 2120 (4) Calculus II		
	MATH 2110 (4) Calculus I Satisfies GE B4	PHYS 2100 (5) Satisfies GE B1		
	GE E COURSE (3) choose NSS 1001 or a course with (IHE)(cl) symbol	GE US HISTORY (3)		
Year 2	Total 16 Units	Total 18 Units	Total units	**34**
	MATH 2130 (3) Calculus III	GE C1 (3)	In GE category C or D Choose one GE course with (re) symbol	
	GE D1 (3)	MATH 2600 Analytic Geometry (3)	Complete ALL lower division major courses (2000 level and below)	
	BIOLOGY 1100 (5) Satisfies GE B2	MATH 2150 (3) Differential Equations		
	GE US CONSTITUTION (3)	GE D2 (3)		
	MATH 2170 (3) Intro. to CAS	MATH 2550 (3) Intro. To Linear Algebra	Math ITEP students are EXEMPT from taking upper division GE	
	Total 17 Units	Total 15 Units	Summer Bridge	**32**
Year 3	MATH 3450 (4) Foundations of Math II Pre-requisite to most UD math courses	MATH 4460 (3) Number Theory	EDSE 4502* (3) Satisfies UD GE C	credential courses that can be taken before being admitted into credential program
	MATH 3950 (3) Field Experience I* Satisfies UD GE B/cl/ WI	MATH 3960 (2) Field Experience II Satisfies UD GE B/cl/WI	EDSE 5000* (3)	
	EDSP 4000 (3)	Math 4650 (3) Analysis I	EDFN 4131 (3)	
	EDFN 4400 (3) Satisfies (d)/UD GE D	EDCI 4000 (3)	MATH 4570 (3) Linear Algebra	
	MATH 4740 (3) Theories of Probability	EDSE 4301 (3)	GE C2 (3)	
	*Apply to Credential Program while in 3950	Conditionally Admitted to CCOE	*EDSE 4502 and EDSE 5000 requires 15 students or more to be offered in summer	
	Total 16 Units	Total 14 Units	Total 15 units	**45**
Year 4	MATH 4901 (4) Capstone course for teachers Satisfies upper division WI requirement	EDSE 4453 (5) Student Teaching: You will be placed in a HS where you will teach almost full-time	Student is ecommended for Preliminary Credential, 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) MATH teaching methods course EDSE 5002 (3)			
	Total 16 units	Total 8 Units		24
Grand Total				**135**

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 and 172 units, e.g., in Math BS option 4 (120 units) followed by a credential (52 units).
- **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 CalState LA Math dept. website and COE website** respectively, for future math and education course offering plans.
- **For GE courses** see https://ecatalog.calstatela.edu/index.php
- **Pre-requisite(s) and description for any course** can be found at http://ecatalog.calstatela.edu/content.php?catoid=26&navoid=2726