Year 2 (PCC)  GE D1  BIOL 1  GE US  CS2 C  Total  Year 3 (Cal State LA)  MATH  Satisfie  EDSP  EDFN  Satisfie  EDSP  EDFN  Satisfie  Apply t  Total  Units  Year 4 (Cal State LA)  MATH  CREDENTIAL  Total  MATH  Proba  Apply t  MATH  GE OFF  MATH  MATH  MATH  GE OFF  MATH  MATH  GE OFF  MATH  MATH  GE OFF  MATH  MATH  MATH  GE OFF  MATH  MATH  GE OFF  MATH  MATH  GE OFF  MATH	50 Statistics H 5A Calculus I es GE B4  16 Units H 5C (3) Calculus III L 10A Satisfies GE B2 5 CONSTITUTION computer Algebra 17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	GE A3  MATH 22 OR CS 45 Discrete Math MATH 5B Calculus II  PHYS 1A & 1B Satisfies GE B1 GE US HISTORY  Total 18 Units GE C1 GE C2  MATH 55 Differential Equations GE D2  MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	In year 1, take as many math courses as you can, as math is hierarchical In year 1, take only GE courses you need, i.e., GE block A and E  Taking summer courses can expedite your graduation  Total units  In GE category C or D Choose one GE course with (re) symbol  Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE  Summer Bridge  EDSE 4502* (3)  Satisfies UD GE C	units
STAT  MATH Satisfie  Total  MATH PCC)  GE D1  BIOL 1  GE US  CS2 C  Total  MATH  AN  MATH  Satisfie  EDSP  EDFN Satisfie  EDSP  EDFN Satisfie  EDSP  Satisfie  Apply total  MATH Proba Apply total  MATH Cal State  MATH Apply total  MATH Cal State  MATH Geom	50 Statistics H 5A Calculus I es GE B4  16 Units H 5C (3) Calculus III L 10A Satisfies GE B2 6 CONSTITUTION computer Algebra 17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	Math MATH 5B Calculus II  PHYS 1A & 1B Satisfies GE B1 GE US HISTORY  Total 18 Units GE C1 GE C2  MATH 55 Differential Equations GE D2 MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	In year 1, take only GE courses you need, i.e., GE block A and E  Taking summer courses can expedite your graduation  Total units  In GE category C or D Choose one GE course with (re) symbol  Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE  Summer Bridge  EDSE 4502* (3)  Satisfies UD GE C	
MATH- Satisfie  Total MATH- GE D1  BIOL 1  GE US CS2 C  Total  MATH- MATH- NATH- I* Satisfie EDSP  EDFN Satisfie EDSP  EDFN Satisfie MATH- Proba Apply to Total Units  MATH- Cal State Apply to MATH- Proba Apply to MATH-	16 Units 16 Units 16 Units 16 Units 16 Units 16 Units 17 Units 18 Units 19 Units 10	MATH 5B Calculus II  PHYS 1A & 1B Satisfies GE B1 GE US HISTORY  Total 18 Units GE C1 GE C2  MATH 55 Differential Equations GE D2  MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	Total units  In GE category C or D Choose one GE course with (re) symbol Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
Total Year 2 PCC)  GE D1 BIOL : GE US CS2 C Total Year 3 MATH Cal State A)  MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units Year 4 Cal State A)  MATH Geom	16 Units H 5C (3) Calculus III L 10A Satisfies GE B2 CONSTITUTION Computer Algebra 17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	Satisfies GE B1 GE US HISTORY  Total 18 Units GE C1 GE C2  MATH 55 Differential Equations GE D2  MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	Total units  In GE category C or D Choose one GE course with (re) symbol Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
rear 2 PCC)  GE D1  BIOL 2  GE US  CS2 C  Total  rear 3  MATH  Math  courses  MATH  I*  Satisfie  EDSP  EDFN  Satisfie  MATH  Proba  Apply to  Total  Units  rear 4  Cal State  A)  MATH  Geom	1 5C (3) Calculus III  10A Satisfies GE B2  5 CONSTITUTION  computer Algebra  17 Units  1 3450 (4) Foundations of II Pre-requisite to most UD math  s 1 3950 (3) Field Experience	GE C1 GE C2 MATH 55 Differential Equations GE D2 MATH 10 Linear Algebra Total 15 Units MATH 4460 (3) Number Theory MATH 3960 (2) Field	In GE category C or D Choose one GE course with (re) symbol Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
GE D1  BIOL 1  GE US  CS2 C  Total  Year 3 MATH Cal State Math A) MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units  Year 4 MATH Cal State A) MATH Geom	10A Satisfies GE B2 CONSTITUTION omputer Algebra 17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	GE C2  MATH 55 Differential Equations GE D2  MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	course with (re) symbol Complete ALL lower division major courses (2000 level and below)  Math ITEP students are EXEMPT from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
GE DI BIOL :  GE US CS2 C  Total  Year 3 MATH Cal State Math Courses MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units  Year 4 MATH Cal State A) MATH Geom	10A Satisfies GE B2  5 CONSTITUTION computer Algebra  17 Units  H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	MATH 55 Differential Equations GE D2 MATH 10 Linear Algebra Total 15 Units MATH 4460 (3) Number Theory MATH 3960 (2) Field	Math ITEP students are EXEMPT from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
GE US CS2 C Total Year 3 MATH Cal State Math A) MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units Year 4 MATH Cal State A) MATH Geom	5 CONSTITUTION computer Algebra 17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	Equations GE D2 MATH 10 Linear Algebra Total 15 Units MATH 4460 (3) Number Theory MATH 3960 (2) Field	from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
CS2 C Total  Year 3 MATH Cal State Math LA) Courses MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t TATUS  Total Units Year 4 MATH Cal State LA) MATH Geom	17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	MATH 10 Linear Algebra  Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
Total Year 3 (Cal State Math Courses MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units Year 4 (Cal State LA) MATH Geom	17 Units H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	Total 15 Units  MATH 4460 (3) Number Theory  MATH 3960 (2) Field	from taking upper division GE Summer Bridge EDSE 4502* (3) Satisfies UD GE C	
MATH (Cal State Math LA)  MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply to Total Units (Cal State LA)  MATH Geom	H 3450 (4) Foundations of II Pre-requisite to most UD math s H 3950 (3) Field Experience	MATH 4460 (3) Number Theory  MATH 3960 (2) Field	EDSE 4502* (3) Satisfies UD GE C	
Cal State Math course: MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t STATUS  Total Units Year 4 (Cal State LA) MATH Geom	II Pre-requisite to most UD math s H 3950 (3) Field Experience	MATH 3960 (2) Field	Satisfies UD GE C	
MATH I* Satisfie EDSP  EDFN Satisfie MATH Proba Apply t  Total Units Year 4 (Cal State LA)  MATH Geom	1 3950 (3) Field Experience		EDSE 5000* (3)	
EDSP  EDFN Satisfie MATH Proba Apply to Total Units  (ear 4 (Cal State I.A)  MATH Geom	es UD GE B/cl/ WI	Experience II Satisfies UD GE B/cl/WI	` '	
Satisfie MATH Proba Apply to Total Units (Cal State LA) MATH Geom	4000 (3)	Math 2600 (3) Analytic Geometry	EDFN 4131 (3)	
MATH Proba Apply t  Total Units Year 4 (Cal State LA)  MATH Proba Apply t  MATH Geom	4400 (3) es (d)/UD GE D	EDCI 4000 (3)	Math 4650 (3) Analysis I	
Total Units Year 4 (Cal State LA)  Apply t  MATH Geom	H 4740 (3) Theories of	EDSE 4301 (3)	*EDSE 4502 and EDSE 5000 requires 15 students or more to be offered	
Vear 4 MATH (Cal State LA) MATH Geom	to Credential Program while in 3950	Conditional Admission to Credential Program	Formal admission to Credential Program	
Year 4 MATH (Cal State LA) MATH Geom		Total 14 Units	Total 12 units	42
MATH Geom	l 4570 (3) Linear Algebra	EDSE 4453 (5) Student Teaching	Student recommended for Preliminary Credential, only if	
	H 4300 (3) Modern netry	EDSE 4463 (3) Teaching Assessment	compliant with all CTC requirements, AND completed all requirements of ITEP (degree & Credential)	
EDSE 4292 (3) EDSE 4212M (3) MATH teaching methods course EDSE 5002 (3)	4292 (3)	MATH 4901 (4) Capstone	The (degree & credential)	
		course for teachers Satisfies upper division WI		
	5002 (3)	requirement and GWAR		
	Dr. Ray for CSET waiver			
Total	a@calstatela.edu	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.