

| Sample 4-year MATH BS Integrated Teaching (ITEP) Roadmap for LATTC -Cal State LA Transfers |  |  |   |             |
|--|--|--|---|-------------|
| Year 1 (LATTC)   | 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 225 Statistics  | MATH 266 Calculus II                             | Taking summer courses can expedite your graduation  |             |
|  | MATH 265 Calculus I<br>Satisfies GE B4                                     | PHYS 1<br>Satisfies GE B1<br>GE US HISTORY       |   |             |
| Year 2 (LATTC)   | Total 16 Units   | Total 18 Units                                   | Total units   |             |
|  | MATH 267 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 Satisfies GE B2  | MATH 275 Differential Equations                  |   |             |
|  | GE US CONSTITUTION   | GE D2  |   |             |
|  | CO INFO 739 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 Pre-requisite to most UD math courses | MATH 4460 (3) Number Theory                      | EDSE 4502* (3)<br>Satisfies UD GE C   |             |
|  | MATH 3950 (3) Field Experience I*  | MATH 3960 (2) Field Experience II                | EDSE 5000* (3)  |             |
|  | Satisfies UD GE B/cl/ WI   | Satisfies UD GE B/cl/WI                          |   |             |
|  | EDSP 4000 (3)  | Math 2600 (3) Analytic Geometry                  | EDFN 4131 (3)   |             |
|  | EDFN 4400 (3)<br>Satisfies (d)/UD GE D                                     | 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   |             |
|  | Apply to Credential Program while in 3950                                  | Conditional Admission to Credential Program      | Formal admission to Credential Program  |             |
|  | Total 16 Units   | Total 14 Units                                   | Total 12 units  | 42          |
| Year 4 (Cal State LA)  | MATH 4570 (3) Linear Algebra   | EDSE 4453 (5)<br>Student Teaching                | 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)  | MATH 4901 (4) Capstone course for teachers       |   |             |
|  | EDSE 4212M (3)<br>MATH teaching methods course                             | Satisfies upper division WI requirement and GWAR |   |             |
|  | EDSE 5002 (3)  |  |   |             |
| Obtain CSET waiver   | Email Dr. Ray for CSET waiver<br>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.