| Sample 4-year MATH BS Integrated Teaching (ITEP) Roadmap for GCC -Cal State LA Transfers | | | | |
|---|---|---|---|---|
| | **Fall** | **Spring** | **Instructions** | **Total units** |
| **Year (GCC)** | GE A1 | GE A3 | In year 1, take as many math courses as you can, as math is hierarchical | |
| | GE A2 | CS 125 Discrete Math | In year 1, take only GE courses you need, i.e., GE block A and E | |
| | MATH 136 Statistics | MATH 104E Calculus II | Taking summer courses can expedite your graduation | |
| | MATH 103E Calculus I Satisfies GE B4 | PHYSICS 101 Satisfies GE B1 | | |
| | | GE US HISTORY | | |
| **Year 2 (GCC)** | Total 16 Units | Total 18 Units | Total units | |
| | MATH 105 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) | |
| | BIOL 101 Satisfies GE B2 | MATH 108 Differential Equations | | |
| | GE US CONSTITUTION | GE D2 | | |
| | CS 135 Computer Algebra | MATH 107 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) Satisfies UD GE C | |
| | 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 2600 (3) Analytic Geometry | EDFN 4131 (3) | |
| | EDFN 4400 (3) 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 | |
| CREDENTIAL STATUS | 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) 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)<br>EDSE 4212M (3)<br>MATH teaching methods course<br>EDSE 5002 (3) | MATH 4901 (4) Capstone course for teachers Satisfies upper division WI requirement and GWAR | | |
| 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.