

## Roadmap B.S. in Mathematics: Integrated Credential option

| YEAR 1: FALL       |           |                   | YEAR 1: SPRING                   |           |                    |
|--------------------|-----------|-------------------|----------------------------------|-----------|--------------------|
| COURSE             | UNITS     | PREREQ            | COURSE                           | UNITS     | PREREQ             |
| MATH 76            | 4         | MATH 75/(75A & B) | MATH 77                          | 4         | MATH 76            |
| MATH 143           | 4         | MATH 75           | MATH 111                         | 4         | MATH 76            |
| LD GE A1           | 3         |                   | PHYS 4A+4AL (B1+B3) <sup>0</sup> | 4         | MATH 76 (Conc. OK) |
| LD GE A2           | 3         |                   | LD GE C2                         | 3         |                    |
| LD GE C1           | 3         |                   |                                  |           |                    |
| <b>TOTAL UNITS</b> | <b>17</b> |                   | <b>TOTAL UNITS</b>               | <b>15</b> |                    |

| YEAR 2: FALL       |           |                   | YEAR 2: SPRING         |           |          |
|--------------------|-----------|-------------------|------------------------|-----------|----------|
| COURSE             | UNITS     | PREREQ            | COURSE                 | UNITS     | PREREQ   |
| MATH 81            | 3         | MATH 77           | MATH 152 <sup>1</sup>  | 4         | MATH 77  |
| MATH 101           | 4         | MATH 75/(75A & B) | MATH 161               | 3         | MATH 111 |
| LD GE B2           | 3         |                   | LD GE D2               | 3         |          |
| LD GE C1 or C2     | 3         |                   | PL SI 2 (US & Ca Govt) | 3         |          |
| HIST 11 or 12 (D1) | 3         |                   | LD GE F                | 3         |          |
| <b>TOTAL UNITS</b> | <b>16</b> |                   | <b>TOTAL UNITS</b>     | <b>16</b> |          |

| YEAR 3: FALL                     |           |                                       | YEAR 3: SPRING          |           |   |
|----------------------------------|-----------|---------------------------------------|-------------------------|-----------|---|
| COURSE                           | UNITS     | PREREQ                                | COURSE                  | UNITS     | PREREQ  |
| MATH 151 <sup>1</sup>            | 4         | MATH 152 (or permission) and MATH 111 | MATH 171 <sup>1</sup>   | 4         | MATH 111  |
| MATH 145                         | 3         | MATH 111                              | MATH 193D (Spring only) | 1         | MATH 111 and at least one of MATH 101, 143, 145 |
| MATH 123 (UD GE IB) <sup>0</sup> | 3         | MATH 77                               | MATH 149S (Spring only) | 4         | MATH 145, 151, 161 (145/161 conc. OK)           |
| CSCI 40                          | 4         | MATH 75                               | CI 151                  | 3         | Admission to Credential Program                 |
| LD GE E                          | 3         |                                       | CI 152                  | 3         | Admission to Credential Program                 |
| <b>TOTAL UNITS</b>               | <b>17</b> |                                       | <b>TOTAL UNITS</b>      | <b>15</b> |   |

| YEAR 4: FALL                |           |  | YEAR 4: SPRING     |           |                                       |
|-----------------------------|-----------|--|--------------------|-----------|---------------------------------------|
| COURSE                      | UNITS     | PREREQ                                     | COURSE             | UNITS     | PREREQ                                |
| ANTH 105W (MI) <sup>0</sup> | 3         |  | SPED 158           | 3         |                                       |
| UD GE IC                    | 3         |  | LEE 156            | 3         |                                       |
| LEE 157                     | 3         | Conc. with EHD 155A or EHD 155B            | EHD 154B           | 1         | Conc. with EHD 155B                   |
| EHD 154A                    | 1         | Conc. with EHD 155A                        | EHD 155B           | 10        | EHD 155A, CI 161; Conc. with EHD 154B |
| EHD 155A                    | 4         | Conc. with EHD 154A                        |                    |           |                                       |
| CI 161 (Fall only)          | 3         | CI 152 and Admission to Credential Program |                    |           |                                       |
| <b>TOTAL UNITS</b>          | <b>17</b> |  | <b>TOTAL UNITS</b> | <b>17</b> |                                       |

**Notes: Students attempting this option will already have completed Calculus I (MATH 75<sup>0</sup>) through AP Calculus AB.**

6 units of GE requirements are waived (A3 and ID) for the Integrated Credential Option.

<sup>0</sup>3 units of MATH 75 (or MATH 75A) also will satisfy the G.E. Foundation B4 requirement.

<sup>0</sup>**PHYS 4AL is required for this option in the math major.** PHYS 4A + 4AL will satisfy the G. E. Breadth B1/B3 requirement.

<sup>0</sup>MATH 123 will also satisfy the G.E. area IB requirement.

<sup>0</sup>Students in the Integrated Credential option are required to take ANTH 105W as MI and writing course.

<sup>1</sup> It is suggested to take MATH 81 before taking MATH 152.

<sup>1</sup> Taking MATH 116 or another proofs class before taking MATH 151, and one of MATH 161/128/165 before taking MATH 171 is encouraged.

**Advising note: Students should meet with their academic advisor from the Department of Mathematics at least once per year.** Students need to **apply** to the Single Subject Credential Program during the semester before taking CI courses, and need to **take** the CBEST test before applying to the Credential Program. Also, students are expected to attend an orientation meeting before they have access to enrolling in CI 151 and CI 152. Students should meet with a credential advisor from the Department of Mathematics early during the Fall semester of year three.