

# MASTER OF ARTS DEGREE IN EDUCATION OPTION IN MATHEMATICS EDUCATION



CHARTER COLLEGE OF  
**EDUCATION**

## EFFECTIVE SPRING 2018 SEMESTER

### A. REQUIRED CORE (27 units)

|           |  |   |
|-----------|--|---|
| EDCI 4310 | Advanced Teaching and Learning of Mathematics in Schools                   | 3 |
| EDEL 4320 | Teaching STEM for Early Childhood  | 3 |
| EDCI 5310 | Seminar: Research in Teaching Mathematics                                  | 3 |
| EDCI 5350 | Teaching for Cross-Cultural and Global Awareness                           | 3 |
| EDCI 5351 | Seminar: Assessment Strategies in Mathematics                              | 3 |
| EDCI 5370 | Teacher Leadership in the Urban School: Issues, Trends, and New Directions | 3 |
| EDCI 5600 | Principles and Practices of Curriculum in Urban Schools                    | 3 |
| EDEL 5890 | Seminar: Elementary Education  | 3 |
| EDFN 5000 | Research Methods in Education  | 3 |

### B. ELECTIVES (3-6 UNITS)

|           |   |   |
|-----------|---|---|
| EDCI 4330 | Special Topics in Mathematics for Teachers                                  | 3 |
| EDCI 4350 | Using Digital Tools in Teaching Problem Solving and Modeling in Mathematics | 3 |
| EDCI 4510 | Teaching Science in Elementary School                                       | 3 |
| EDCI 4800 | Teaching Problem Solving with LOGO  | 3 |
| EDCI 5510 | Reflection, Synthesis, Assessment: Induction Portfolio                      | 1 |
| EDCI 5800 | Computer Applications for Teaching Mathematics and Science                  | 3 |
| EDCI 5830 | Application of Hypermedia in Instruction                                    | 3 |
| EDCI 5840 | Learning Theories and Cognitive Science in Math Education                   | 3 |
| EDCI 5900 | Creating a Healthy and Effective Classroom Climate                          | 3 |
| EDCI 5250 | Integrated Mathematics and Science Methodology Content Literacy             | 3 |

### C. CULMINATING EXPERIENCE (0, 4 units)

|            |   |   |
|------------|---|---|
| EDCI 5960  | Comprehensive Examination <b>or</b>                   | 0 |
| EDCI 5990A | Thesis Planning <b>or</b> EDCI 5995A Project Planning | 2 |
| EDCI 5990B | Thesis <b>or</b> EDCI 5995B Project                   | 2 |

**TOTAL UNITS 30-37**

### Division of Curriculum and Instruction

King Hall C2097  
(323) 343-4350  
Office Hours:  
Monday – Thursday  
8:00 a.m. – 6:00 p.m.  
Friday  
8:00 a.m. – 5:00 p.m.

### Office for Student Services

King Hall D2078  
(323) 343-4320  
Office Hours:  
Monday – Thursday  
8:00 a.m. – 6:00 p.m.  
Friday  
8:00 a.m. – 5:00 p.m.

### Office of the Dean

King Hall D2069  
(323) 343-4300  
Office Hours:  
Monday – Thursday  
8:00 a.m. – 6:00 p.m.  
Friday  
8:00 a.m. – 5:00 p.m.

### Office of the Associate Dean

King Hall D2070  
(323) 343-4303  
Office Hours:  
Monday-Thursday  
8:00 a.m. – 6:00 p.m.  
Friday  
8:00 a.m. – 5:00 p.m.

### Admission Requirements

Applicants must meet university requirements for admission to graduate study. In addition, applicants should have completed EDEL 4170 or EDSE 4212 or its equivalent, have attained a minimum of 2.75 grade point average in the last 60 semester (or 90 quarter) units attempted, and have consulted with a faculty advisor. A score of 600 or higher on TOEFL is required for visa students. Finally, a valid teaching credential issued by California or any state is recommended by the end of the program.