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| logo_1.jpg College of Science (CSCI)  MAJOR: Math, MS  CSCI EETF (Educational Effectiveness Task Force) |

**PROGRAM STUDENT LEARNING OUTCOMES**

2014

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| Students graduating with a MS from Cal State East Bay will be able to: | | | I.L.O Alignment |
| 1 | apply the fundamental definitions and theorems of pure mathematics | | 1,2,6 |
| 2 | apply the fundamental definitions and theorems of applied mathematics | | 1,2,6 |
| 3 | apply advanced techniques of mathematical analysis | | 1,4,6 |
| 4 | apply techniques of advanced algebra | | 1,4,6 |
| 5 | apply advanced techniques of geometry and topology | | 1,4,6 |
| 6 | use mathematical algorithms | | 1,4,6 |

Students taking Option B or C for the Masters in Mathematics receive focused emphasis on particular PLOs as follows:

• The Applied Mathematics Option emphasizes PLOs #2, 3 & 6 above.

• The Mathematics Teaching Option emphasizes #1, 2, 4 & 5 above.