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|  | **CALIFORNIA STATE UNIVERSITY, LONG BEACH****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Department of Mathematics and Statistics |

Suggested Graduate Program Plan: Data Science Interest

This prospective program is contingent upon the thesis choice for the culminating activity. Only the final Spring semester would change should the student select the comprehensive exam option. All programs are subject to the parameters delineated in the CSULB catalog.

[Program Plan](http://web.csulb.edu/divisions/aa/catalog/current/cnsm/mathematics/stat_grad.html)

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| 1. FALL

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| ☐ STAT 475 Data Analysis with SAS |
| ☐ STAT 510 Regression Analysis  |
| ☐ STAT 530 Experimental Design and Analysis  |

 | 2. SPRING

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| ☐ STAT 520 Statistical Inference |
| ☐ STAT 550 Multivariate Statistical Analysis  |
| ☐ STAT 574 Data Mining |

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| 3. FALL

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| ☐ STAT 572 Computational Statistics |
| ☐ STAT 576 Data Informatics |
| ☐ STAT 580 Time Series |

 | 4. SPRING

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| ☐ STAT 698 Thesis or Project |
| or |
| ☐ Non-STAT Elective\* |

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| *\* Possibilities include* | BIOL 574: BioinformaticsCECS 406: Topics in Machine LearningIS 480: Advanced Database ManagementMATH 521: Matrix Method in Data Analysis and Pattern RecognitionMKTG 675: Marketing AnalyticsPHYS 590: Topics in Data Science with Python |

[Advancement to Candidacy](http://web.csulb.edu/divisions/aa/catalog/current/graduate_information/advancement_candidacy.html)

Should typically be completed by the end of your first academic year