MASTER OF ARTS – STATISTICS – DATA SCIENCE SPECIALIZATION – 2017-18 (Plan II)

In addition to departmental requirements, candidates for graduate degrees must fulfill University requirements described in the “Graduate Education” section of the UCSB General Catalog.

A total of 42.0 units are required for the M.A program. A minimum of 36 of the 42 units must come from graduate-level courses. The core courses must be passed with a grade of B or better, and the overall minimum GPA requirement is 3.0. The time-to-degree for the M.A. is two years.

### CORE COURSE REQUIREMENTS (20.0 units total)

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE NAME</th>
<th>UNITS</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSTAT 220A</td>
<td>Advanced Statistical Methods</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>PSTAT 220B</td>
<td>Advanced Statistical Methods</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>PSTAT 220C</td>
<td>Advanced Statistical Methods</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>PSTAT 230</td>
<td>Seminar and Projects in Statistical Consulting</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>PSTAT 234</td>
<td>Statistical Data Science</td>
<td>4.0</td>
<td></td>
</tr>
</tbody>
</table>

### GRADUATE LEVEL ELECTIVES (16.0 units total)

All student must take 16.0 units of graduate-level coursework, including at least two course (8.0 units) from the below-listed courses.

Graduate elective units should be chosen from the 200-level courses in the Statistics & Applied Probability (PSTAT) Department with the exception of PSTAT 500, 501, 502 & 510. A maximum of 6 units of PSTAT 596 may be applied toward the required units. Courses outside the department can only be accepted with prior approval from the Faculty Graduate Advisor.

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE NAME</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSTAT 231</td>
<td>Data Mining</td>
<td>4.0</td>
</tr>
<tr>
<td>PSTAT 232</td>
<td>Computational Techniques in Statistics</td>
<td>4.0</td>
</tr>
<tr>
<td>PSTAT 235</td>
<td>Big Data Analytics</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### REMAINING ELECTIVES (6.0 units total)

The remaining electives should be chosen from any upper-division or graduate-level courses in the Statistics & Applied Probability Department with the exception of PSTAT 109, PSTAT 120A-B-C, PSTAT 133A-B-C, PSTAT 182-T, and PSTAT 500, 501, 502 and 510. Courses outside the department can only be accepted with prior approval from the Faculty Graduate advisor.
CAPSTONE REQUIREMENT

All students are expected to take the Applied Statistics Qualifying Examination, which consists of an in-class examination and a Data Analysis Report. All students seeking the M.A. in Statistics with the Data Science Specialization need to pass the Applied Statistics Qualifying Examination with at least a “M.A. Level” pass. Each student has two attempts to pass the exam.

M.A. Committee:  
Chair: __________________________
Member: __________________________
Member: __________________________

Applied Statistics Qualifying Exam passed on: __________________________

Month/Day/Year

M.A. DEGREE REQUIREMENTS SATISFIED: __________________________

Quarter/Year

DEPT GRADUATE ADVISOR SIGNATURE: __________________________

_________________________  __________________________  __________________________
Print Name

FOR GRADUATE DIVISION USE ONLY

Residence requirement - minimum 3 quarters (verify departmental requirement)
Required units completed = 42
Language requirement Satisfied (if required)
No grades of I, NR, or NG
3.0 or better GPA overall
B or better in all core courses (200-level – verify if departmental requirement)
Registered quarter of degree or Filing Fee LOA:

Master’s Form I / COI and committee entered
Master’s Thesis date received (signature page/e-filed and entered in SReg): __________________________
Master’s Thesis Submission Fee: __________________________
ProQuest ID __________________________ Permission Ltrs uploaded?

Master’s Degree Awarded (mm/dd/yy)