

## Mathematics Majors Advising Bachelor of Arts in Mathematics

| Lower Division Core   | PreReq                             | ✓ | Math 35 & Upper Division Core | PreReq                  | ✓ |
|---|------------------------------------|---|-------------------------------|-------------------------|---|
| (4) <b>Math 30</b>  | M29 or AP or ALEKS                 |   | (3) <b>Math 35</b>            | M30;<br>M31 recommended |   |
| (4) <b>Math 31</b>  | M30 or AP                          |   | (3) <b>Math 108</b>           | M31 and M35             |   |
| (4) <b>Math 32</b>  | M31 or AP                          |   | (3) <b>Math 110A</b>          | M108                    |   |
| (3) <b>Math 45</b>  | M31 or AP                          |   | (3) <b>Math 110B</b>          | M110A                   |   |
| (3) <b>Select ONE from list:</b>  |                                    |   | (3) <b>Math 130A</b>          | M32 and M108            |   |
| <b>Math 64 or<br/>CSC 10 or 15 or 22 or 25,<br/>or an advisor-approved substitution</b> | M64: M30 or AP<br>CSC: see catalog |   | (3) <b>Math 130B</b>          | M130A                   |   |

| Applied Emphasis                           | PreReq                | ✓ | Pure Emphasis                              | PreReq               | ✓ | Statistics Emphasis                        | PreReq   | ✓ | Teaching Emphasis                           | PreReq   | ✓   |
|--|-----------------------|---|--|----------------------|---|--|--|---|---|--|---|
| (4) <b>Math 105A</b>                       | M32 and 45            |   | (3) <b>Math 117</b>                        | M110A                |   | (3-4) <b>Stat 1 or 50</b>                  | S1: ALEKS or M10<br>S50: M26A or M30                           |   | (3) <b>Stat 1</b>                           | ALEKS or M10   |   |
| (4) <b>Math 105B</b>                       | M105A                 |   | (3) <b>Math 134</b>                        | M32                  |   | (3) <b>Stat 115A</b>                       | M31 and (S1 or S50)  |   | (3) <b>Math 102</b>                         | M31  |   |
| (6) <b>Select TWO electives from list:</b> |                       |   | (6) <b>Select TWO electives from list:</b> |                      |   | (3) <b>Stat 115B</b>                       | S115A  |   | (3) <b>Math 121</b>                         | M31 and (M32 or 35)  |   |
| <b>Math 101</b>                            | M31                   |   | <b>Math 101</b>                            | M31                  |   | (6) <b>Select TWO electives from list:</b> |  |   | (3) <b>Math 190</b>                         | M31  |   |
| <b>Math 102</b>                            | M31                   |   | <b>Math 102</b>                            | M31                  |   | <b>Math 101</b>                            | M31  |   | (3) <b>Math 193</b>                         | At least five of:<br>M102, 121, 190,<br>110A, 110B,<br>130A, 130B;<br>MATH 110A<br>or MATH 130A<br>may be taken<br>concurrently; or<br>by permission.<br>(Should be taken<br>in student's final<br>semester) |   |
| <b>Math 104</b>                            | M32                   |   | <b>Math 104</b>                            | M32                  |   | <b>Math 117</b>                            | M110A  |   |   |  |   |
| <b>Math 117</b>                            | M110A                 |   | <b>Math 105A or B</b>                      | M32 and M45          |   | <b>Math 134</b>                            | M32  |   |   |  |   |
| <b>Math 134</b>                            | M32                   |   | <b>Math 121</b>                            | M31 and (M32 or 35)  |   | <b>Math 150</b>                            | M31  |   |   |  |   |
| <b>Math 150</b>                            | M31                   |   | <b>Math 150</b>                            | M31                  |   | <b>Math 170</b>                            | M31 and (M35 or M100)  |   |   |  |   |
| <b>Math 170</b>                            | M31 and (M35 or M100) |   | <b>Math 161</b>                            | M108                 |   | <b>Stat 155</b>                            | M31 (may be concurrent) and (S50 or S115A)                     |   |   |  |   |
| <b>Stat 115A</b>                           | see Stat Emph         |   | <b>Math 162</b>                            | M108                 |   | <b>Stat 128</b>                            | (M26A or M30) and (S1 or S50); or consent                      |   |   |  |   |
| <b>Stat 115B</b>                           | see Stat Emph         |   | <b>Math 170</b>                            | M31 and (M35 or 100) |   | <b>Stat 129</b>                            | (M26A or M30) and (S1 or S50) and (S128 or CSC 20); or consent |   |   |  |   |
| <b>Stat 155</b>                            | see Stat Emph         |   | <b>Math 190</b>                            | M31                  |   | <b>Stat 196L</b>                           | (S1 or S50) and (M35 or M100); programming recommended         |   |   |  |   |
| <b>Stat 128</b>                            | see Stat Emph         |   | <b>Stat 115A or B</b>                      | see Stat Emph        |   | <b>Stat 196M</b>                           | (S1 or S50) and (M35 or M100); programming recommended         |   |   |  | <b>Needed for entry into CSUS credential program (Education Dept)</b> |
| <b>Stat 129</b>                            | see Stat Emph         |   | <b>Stat 128, 129, 155</b>                  | see Stat Emph        |   |  |  |   | PUBH 136 (2 units), summer after graduation |  |   |
| <b>Stat 196L or M</b>                      | see Stat Emph         |   | <b>Stat 196L or M</b>                      | see Stat Emph        |   |  |  |   | EDUC 170 (3 units)                          |  |   |
|  |                       |   |  |                      |   |  |  |   | EDUC 100A/B (2+1 units, lecture + field)    |  |   |

Recommended core pathways:

31 → 35 → 108 → 110A → (110B and 130A) → 130B

or

31 → 35 → 108 → 110A → 110B → 130A → 130B

All other courses can be sprinkled in accordingly.

| Year | Fall        | units | Spring        | units |
|------|-------------|-------|---------------|-------|
| 1    |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      | <b>Fall</b> |       | <b>Spring</b> |       |
| 2    |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      | <b>Fall</b> |       | <b>Spring</b> |       |
| 3    |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      | <b>Fall</b> |       | <b>Spring</b> |       |
| 4    |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      | <b>Fall</b> |       | <b>Spring</b> |       |
| 5    |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |
|      |             |       |               |       |

