

Name: \_\_\_\_\_

Emphasis: \_\_\_\_\_

| Lower Division Core Courses                                  | ✓ | Upper Division Core Courses  | ✓ | Emphasis Courses | ✓ |
|--------------------------------------------------------------|---|------------------------------|---|------------------|---|
| <b>MATH 30</b> (MATH 29 or ALEKS 76+)                        |   | <b>MATH 108</b> (MATH 35)    |   |                  |   |
| <b>MATH 31</b> (MATH 30)                                     |   | <b>MATH 110A</b> (MATH 108)  |   |                  |   |
| <b>MATH 32</b> (MATH 31)                                     |   | <b>MATH 110B</b> (MATH 110A) |   |                  |   |
| <b>MATH 35</b> (MATH 31)                                     |   | <b>MATH 130A</b> (MATH 108)  |   |                  |   |
| <b>MATH 45</b> (MATH 31)                                     |   | <b>MATH 130B</b> (MATH 130A) |   |                  |   |
| <b>MATH 64</b> (MATH 30)<br>or advisor approved prog. course |   |                              |   |                  |   |

\*Courses in parentheses denote prerequisites.

| Applied Emphasis                                                          |
|---------------------------------------------------------------------------|
| <b>MATH 105A</b> (MATH 32; MATH 45)                                       |
| <b>MATH 105B</b> (MATH 105A)                                              |
| Select <b>TWO</b> other courses from the Applied Emphasis electives list. |

| Pure Emphasis                                                          |
|------------------------------------------------------------------------|
| <b>MATH 117</b> (MATH 110A)                                            |
| <b>MATH 134</b> (MATH 32)                                              |
| Select <b>TWO</b> other courses from the Pure Emphasis electives list. |

| Statistics Emphasis                                                          |
|------------------------------------------------------------------------------|
| <b>STAT 50</b> (MATH 30) <b>or</b><br><b>STAT 1</b> (MATH 10 or ALEKS 51+)   |
| <b>STAT 115A</b><br>(MATH 31; STAT 1 or STAT 50)                             |
| <b>STAT 115B</b> (STAT 115A)                                                 |
| Select <b>TWO</b> other courses from the Statistics Emphasis electives list. |

| Teaching Emphasis                                  |
|----------------------------------------------------|
| <b>STAT 1</b> (MATH 10 or ALEKS 51+)               |
| <b>MATH 102</b> (MATH 31)                          |
| <b>MATH 121</b> (MATH 32 or MATH 35)               |
| <b>MATH 190</b> (MATH 31)                          |
| <b>MATH 193</b><br>(to be taken in final semester) |

| Semester: | Semester: | Semester: | Semester: |
|-----------|-----------|-----------|-----------|
|           |           |           |           |
|           |           |           |           |
|           |           |           |           |
|           |           |           |           |
|           |           |           |           |

| Applied Emphasis Electives                                                    |
|-------------------------------------------------------------------------------|
| <b>MATH 101</b> (MATH 31)                                                     |
| <b>MATH 102</b> (MATH 31)                                                     |
| <b>MATH 104</b> (MATH 32)                                                     |
| <b>MATH 117</b> (MATH 110A)                                                   |
| <b>MATH 134</b> (MATH 32)                                                     |
| <b>MATH 150</b> (MATH 31)                                                     |
| <b>MATH 170</b> (MATH 31; MATH 35 or 100)                                     |
| <b>STAT 115A</b> (MATH 31; STAT 1 or 50)                                      |
| <b>STAT 115B</b> (STAT 115A)                                                  |
| <b>STAT 128</b> (STAT 1 or 50; MATH 26A or 30)                                |
| <b>STAT 129</b> (STAT 1 or 50; MATH 26A or 30; STAT 128 or MATH 64 or CSC 20) |
| <b>STAT 155</b> (MATH 31; STAT 50 or STAT 115A)                               |

| Pure Emphasis Electives                   |
|-------------------------------------------|
| <b>MATH 101</b> (MATH 31)                 |
| <b>MATH 102</b> (MATH 31)                 |
| <b>MATH 104</b> (MATH 32)                 |
| <b>MATH 105A</b> (MATH 32; MATH 45)       |
| <b>MATH 105B</b> (MATH 105A)              |
| <b>MATH 121</b> (MATH 31; MATH 32 or 35)  |
| <b>MATH 150</b> (MATH 31)                 |
| <b>MATH 161</b> (MATH 108)                |
| <b>MATH 162</b> (MATH 108)                |
| <b>MATH 170</b> (MATH 31; MATH 35 or 100) |
| <b>MATH 190</b> (MATH 31)                 |
| <b>STAT 115A</b> (MATH 31; STAT 1 or 50)  |
| <b>STAT 115B</b> (STAT 115A)              |

| Statistics Emphasis Electives                                                 |
|-------------------------------------------------------------------------------|
| <b>MATH 101</b> (MATH 31)                                                     |
| <b>MATH 117</b> (MATH 110A)                                                   |
| <b>MATH 134</b> (MATH 32)                                                     |
| <b>MATH 150</b> (MATH 31)                                                     |
| <b>MATH 170</b> (MATH 31; MATH 35 or 100)                                     |
| <b>STAT 128</b> (STAT 1 or 50; MATH 26A or 30)                                |
| <b>STAT 129</b> (STAT 1 or 50; MATH 26A or 30; STAT 128 or MATH 64 or CSC 20) |
| <b>STAT 140A</b> (STAT 115A; STAT 128; MATH 35 or 100)                        |
| <b>STAT 140B</b> (STAT 140A)                                                  |
| <b>STAT 155</b> (MATH 31; STAT 50 or STAT 115A)                               |

\*Courses in parentheses denote prerequisites

#### DEPARTMENT NOTES AND RECOMMENDATIONS

- Recommendation: Do not take MATH 110A and MATH 130A in the same semester.
- Recommended Pathway:
  - Math 31 → Math 35 → Math 108 → Math 110A → Math 110B → Math 130A → Math 130B  
or
  - Math 31 → Math 35 → Math 108 → Math 110A → (Math 110B and Math 130A) → Math 130B
- Recommendation: Do not take more than two upper division math major courses in a semester.
- Note: Math 117 is only offered in the fall, and Math 134 is only offered in the spring.
- Note: Math 193 is a capstone course and should be taken in the final semester.
- Note: Math major advising appointments are available throughout the year. Students should meet with an advisor as much as necessary. At the very least, all math majors are required to meet with an advisor every spring semester.
- Note: If a student plans to apply for the Sac State Single Subject Credential Program, then they should also take the following courses: EDUC 100A/B, EDUC 170, PUBH 136.

#### ADVISOR NOTES AND RECOMMENDATIONS

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