

**Department of Mathematics  
Requirements for the major**

**CSUB Catalog 2005-2007**

|                |       |                          |       |
|----------------|-------|--------------------------|-------|
| <b>Name</b>    | _____ | <b>Advisor Signature</b> | _____ |
| <b>SS#</b>     | _____ |                          |       |
| <b>Address</b> | _____ |                          |       |
|                | _____ |                          |       |

| <u>Requirements</u> | <u>Units</u> | <u>Institution</u> | <u>CSUB</u> | <u>Quarter/Yr</u> |
|---------------------|--------------|--------------------|-------------|-------------------|
|---------------------|--------------|--------------------|-------------|-------------------|

Must complete 75 units in Math and Computer Science

- |    |                       |       |                         |       |
|----|-----------------------|-------|-------------------------|-------|
| 1. | MATH 201-Calculus I   | _____ | MATH 300 Sets & Logic   | _____ |
|    | MATH 202-Calculus II  | _____ | MATH 330 Linear Algebra | _____ |
|    | MATH 203-Calculus III | _____ | MATH 340 Probability    | _____ |
|    | MATH 204-Calculus IV  | _____ | MATH 363 Real Analysis  | _____ |
|    | MATH 222-Lab Exp. I   | _____ | MATH 490 Senior Seminar | _____ |

2. CMPS 221 \_\_\_\_\_

3. One of the following Tracks:

A. Applied Mathematics Track (five courses):

MATH 205 \_\_\_\_\_ MATH 305 \_\_\_\_\_

One of MATH 312, 350 or 402 \_\_\_\_\_

Two additional upper division MATH electives: <sup>1</sup>

\_\_\_\_\_

One course from the following: PHYS 221, PHYS 222; BIOL 201, BIOL 310; CHEM 211, CHEM 212; ECON 201, ECON 202, ECON 301, ECON 302; CMPS 222, CMPS 223; MGMT 301. This course cannot also satisfy the General Ed requirement B1, B2, B3, D2, or Theme 1.

B. Theoretical Mathematics Track (five courses):

One of Math 431 or 463: \_\_\_\_\_

MATH 312 \_\_\_\_\_ MATH 331 \_\_\_\_\_ MATH 430 \_\_\_\_\_

Two additional upper division MATH electives: <sup>1</sup>

\_\_\_\_\_

C. Statistics Track

MATH 215 \_\_\_\_\_ MATH 440 \_\_\_\_\_

One of MATH 338 or 339 \_\_\_\_\_

An upper division cognate to be approved by the Mathematics Department \_\_\_\_\_

Two additional upper division MATH electives: <sup>1</sup>

\_\_\_\_\_

<sup>1</sup> Note: At most two of MATH 301, 331 and 430 can count towards the major; and MATH 320 AND MATH 321 do not count toward the major.