

# B.S. Mathematics with Teacher Certification

Name \_\_\_\_\_ ID# \_\_\_\_\_

Advisor \_\_\_\_\_

## CORE: 61 HOURS

| Area A (9 hrs)                         | Hrs | Term | Grade |
|--|-----|------|-------|
| ENGL 1101 Composition I (min grade C)  | 3   |      |       |
| ENGL 1102 Composition II (min grade C) | 3   |      |       |
| MATH 1113 Precalculus (min grade C)    | 3   |      |       |

| Area B (4 hrs.min)                | Hrs | Term | Grade |
|-----------------------------------|-----|------|-------|
| CIS 1000                          | 2   |      |       |
| COMM 1110                         | 3   |      |       |
| ENGL 2200                         | 3   |      |       |
| SOCI 2295                         | 2   |      |       |
| SOSC 1000, SOSC 1101, GEOG 1101   | 2/3 |      |       |
| THEA 1110                         | 3   |      |       |
| WMST 2001                         | 3   |      |       |
| Foreign Language (2000 or higher) | 3   |      |       |

| Area C (6 hrs)                      | Hrs | Term | Grade |
|-------------------------------------|-----|------|-------|
| ENGL 2110 or ENGL 2120 or ENGL 2130 | 3   |      |       |
| <b>Select one:</b>                  | 3   |      |       |
| ARTC 1100, MUSC 1100, or THEA 1100  |     |      |       |

| Area D (12 hrs) Area D Lists               | Hrs | Term | Grade |
|--|-----|------|-------|
| MATH 1120 Calculus I (min grade C)         | 4   |      |       |
| One lab sequence from list A recommended*  | 8   |      |       |
| PHYS 1111/1112 Introductory Physics I/II   |     |      |       |
| PHYS 2211/2212 Principles of Physics I/II* |     |      |       |

| Area E (12 hrs)                              | Hrs | Term | Grade |
|--|-----|------|-------|
| POLS 1101 American Government                | 3   |      |       |
| HIST 1111 or 1112 World Civilization I or II | 3   |      |       |
| HIST 2111 or 2112 US History I or II         | 3   |      |       |
| <b>Select one:</b>                           | 3   |      |       |
| ECON 2105, SOCI 1101                         |     |      |       |
| HIST 1111 or 1112,                           |     |      |       |
| PSYC 1101 or ANTH 1102                       |     |      |       |

| Area F (18 hrs)               | Hrs | Term | Grade |
|-------------------------------|-----|------|-------|
| CSCI 1301 Intro Programming I | 4   |      |       |
| MATH 2221 Calculus II         | 4   |      |       |
| MATH 2222 Calculus III        | 4   |      |       |
| MATH 2223 Discrete Systems I  | 3   |      |       |
| MATH 2224 Discrete Systems II | 3   |      |       |

| Physical Education (4 hrs)                                     | Hrs | Term | Grade |
|--|-----|------|-------|
| PEDS 1010 Lifetime Fitness                                     | 1   |      |       |
| PEDS 2000 CPR/First Aid  | 2   |      |       |
| PEDS _____ (Activity)  | 1   |      |       |
| <b>(Activity must be swimming if swimming test not passed)</b> |     |      |       |

| Additional Requirements |                        |
|-------------------------|------------------------|
| UNIV 1000 _____         |                        |
| GA HISTORY _____        | US HISTORY _____       |
| GA CONSTITUTION _____   | US CONSTITUTION _____  |
| REGENT'S READING _____  | REGENT'S WRITING _____ |
| GEOGRAPHY _____         | SWIMMING _____         |

| Teacher Certification Notes         |
|-------------------------------------|
| Professional Checklist (link here)  |
| Additional Requirements (link here) |

## MAJOR/ELECTIVE REQUIREMENTS: 66 HOURS

| Major Requirements (31 hrs)              | Hrs | Term | Grade | F.E. |
|--|-----|------|-------|------|
| CSCI 1302 Intro Programming II           | 4   |      |       |      |
| MATH 2204 Statistics                     | 3   |      |       |      |
| MATH 3100 Modern Geometry                | 3   |      |       |      |
| MATH 3200 Number Theory                  | 3   |      |       |      |
| MATH 3325 Mathematical Statistics        | 3   |      |       |      |
| MATH 4412 Modern Algebra I               | 3   |      |       |      |
| MATH 4413 Modern Algebra II              | 3   |      |       |      |
| MATH 4490 History & Phil of Math         | 3   |      |       |      |
| <b>Select two courses:</b>               |     |      |       |      |
| MATH 3313 Differential Equations         | 3   |      |       |      |
| MATH 3316 Analysis I                     | 3   |      |       |      |
| MATH 3317 Analysis II                    | 3   |      |       |      |
| MATH 3320 Scientific Computation         | 3   |      |       |      |
| MATH 3322 Adv Math Modeling              | 3   |      |       |      |
| MATH 4440 Partial Differential Equations | 3   |      |       |      |
| MATH 4442 Complex Analysis               | 3   |      |       |      |
| MATH 4450 Topology I                     | 3   |      |       |      |
| MATH 4451 Topology II                    | 3   |      |       |      |
| *MATH 4499 Senior Honors Thesis          | 3   |      |       |      |

| Certification Core (9 hrs)           | Hrs | Term | Grade | F.E. |
|--------------------------------------|-----|------|-------|------|
| EDSP 2010 Intro to Special Education | 3   |      |       | 30   |
| EDUC 2010 Intro to Education         | 3   |      |       | 30   |
| EDUC 2030 Human Growth & Dvlp        | 3   |      |       | 30   |

| Teacher Ed Courses (14 hrs)             | Hrs | Term | Grade | F.E. |
|---|-----|------|-------|------|
| EDRG 3060 Content Literacy              | 3   |      |       | 45   |
| EDSC 4080 Cont, Ped, Assess & App       | 5   |      |       | 90   |
| EDUC 3200 Audio Visual Technology       | 3   |      |       |      |
| EDUC 3400 Learner & Multicultrl Context | 3   |      |       | 30   |

| Education Capstone Exp (12 hrs)        | Hrs | Term | Grade | F.E. |
|--|-----|------|-------|------|
| EDSC 4960 H.S. Student & Org           | 3   |      |       | 45   |
| EDSC 4970 Student Teaching/Knowledge   | 3   |      |       | 160  |
| EDSC 4980 Student Teaching/Skills      | 3   |      |       | 160  |
| EDSC 4990 Student Teaching/Disposition | 3   |      |       | 160  |

| Degree Checklist:                              |
|--|
| _____ Application for graduation               |
| _____ Exit Interview                           |
| _____ GRE or dept approved graduate level exam |

| ADDITIONAL REQUIREMENTS:                                       | F.E. |
|--|------|
| Minimum grade of "C" required in Area F and all major courses. |      |
| *Registration for this class is by department invitation.      |      |
| Opening School Experience                                      | 120  |

| UNIVERSITY REQUIREMENTS:  |
|---|
| A <u>minimum</u> of 120 semester hours must be completed for graduation.  |
| 39 semester hours must be upper division work at the 3000-4000 level.   |
| Students entering prior to fall 2002 are required to pass a test of geographic knowledge or to earn a passing grade in one of the following courses: SOSC 1000, SOSC 1101, GEOG 1101, GEOG 4550, POLS 4550. |
| Students entering fall 2002 or later do not have to meet this requirement.  |

**F.E. = Required Field Experience Hours**  
effective 2004-2005