

## **NOTES FOR ADVISING B.Sc. MATH MAJORS**

Every B. Sc. math major must take the following to satisfy the core (60 hours):

### **Area A: 9 hours**

( A1) ENGL 1101 (3 hours)

( A1) ENGL 1102 (3 hours)

(A2) MATH 1113 (3 hours, 1 hour counted as Area F)

### **Area B: 4 hours ( At least 3 hours from B1)**

(B1) One course from: ART 2000, COMM 1110, ENGL 2000, ENGL 2050, THEA 2050, PHIL 2110, XIDS 1004, or any foreign language course numbered 1001, 1002 (3 or 4 hours)

(B2) One course from: ANTH 1100, BUSA 1900, CS 1000, CS 1020, LIBR 1101, MUSC 1110, XIDS 2001, XIDS 2002 (0 or 1 hour) (Note that only CS 1000, XIDS 2001 are 1-credit hour courses)

If a student takes XIDS 1004 (4 hours) from B1, (s)he needn't to take any B2 course.

### **Area C: 6 hours**

(C1) One course from: XIDS 2100\*, ART 1201, ART 2201, ART 2202, MUSC 1100, MUSC 1120, THEA 1100 (3 hours)

(C2) One course from: XIDS 2100\*, COMM 1154, ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2160, ENGL 2180, ENGL 2190, FORL 2200, FORL 2300, PHIL 2100, PHIL 2120 or any foreign language course numbered 1001, 1002, 2001, 2002 (3 hours)

### **Area D : 11 hours**

(D1) Take any two lab courses from: BIOL 1107, BIOL 1108, CHEM 1211K, CHEM 1212K, CHEM 1230K, GEOG1112, GEOG 1113, GEOL 1121, GEOL 1122, PHYS 1111, PHYS 1112, PHYS 2211, PHYS 2212. (8 hours)

(D2) Take MATH 1634 ( 3 hours, 1 hour counted as Area F)

### **Area E: 12 hours**

(E1) One World History course: either HIST 1111 or 1112 ( 3 hours)

(E2) One US/Georgia History course: either HIST 2111 or 2112 ( 3 hours)

(E3) POLS 1101 (3 hours)

(E4) One course from the following: ANTH 1102, ECON 2100, ECON 2105, ECON 2106, GEOG 1013, GEOG 2503, POLS 2201, PSYC 1101, SOCI1101, SOCI 1160, XIDS 2300, XIDS 2301 (3 hours)

Students may exempt HIST 2111 or HIST 2112 by examination. If the course is exempted, however, an additional 3 hours is to be taken from (E4).

**Area F: 18 hours**

CS 1300 (4 hours)  
MATH 1113 ( 1 hour, 3 hours counted as A2)  
MATH 1634 (1 hour, 3 hours counted as D2)  
MATH 2644 (4 hours)  
MATH 2654 (4 hours)  
MATH 2009 (1 hour)  
MATH 2853 (3 hours)

**NOTES:**

1. Emphasize to advisees that science courses **MUST** be chosen from the list above. Other science courses will not count for science majors (and math is considered a science major).
2. If a student starts in Calc 1 (Math 1634) and does not take Precalc (Math 1113), then the 4 hours for Math 1113 listed above become CORE electives (i.e. free electives but they must be at the 1000 or 2000 level).
3. The student never gets credit for Math 1113, however, they can be exempt from taking it for a degree requirement. As far as calculus classes, it depends on which exam they took and the score on that exam.

**AB Calculus Exam**

Score 0-2 no credit  
Score 3-4 credit for Math 1634  
Score 5 credit for both Math 1634 and 2644

**BC Calculus Exam**

Score 0-2 no credit  
Score 3 credit for Math 1634  
Score 4-5 credit for Math 1634 and 2644

\*XIDS 2100 is listed twice above but can only count in one area.

**OTHER REQUIREMENTS:**

In addition to the core requirements listed above and the major requirements for the particular track the student selects, all students must satisfy the following:

1. **Two WAC courses.** Currently all math majors are required to take MATH 3003 and 3243 which are both WAC courses when offered as a normal class. If a student takes either one as an independent study, then they must find another WAC course to take to satisfy this requirement. One of the two WAC courses can be from outside the MATH department but only College of Arts and Science departments offer WAC courses.

2. **A student must have at least 39 hours at the 3000/4000 level.** Currently, all the options for a MATH major require 28 hours of 3000/4000 level math classes. So 11 hours of the students electives **MUST** be at the 3000/4000 level to satisfy this requirement (they can be MATH courses but do not have to be). **This does not apply to the secondary educational track since the education classes they are required to take satisfy this requirement.**

### **EXTRA REQUIREMENTS FOR SECONDARY EDUCATION TRACK:**

**For Secondary Education track students,** admission to the teacher education program is a prerequisite to enrollment in professional education courses: MEDT 3401(also requires at least 9 hours of upper level math courses), CEPD 4101, SEED 4240,4271,4286, 4289 (4286 must be taken concurrently with 4289). Eligibility requirements for admission to teacher education for regular students include the following:

- Completion of the core requirements for Areas A, B, C, D, E and F.
- A minimum GPA of 2.7 is required. This GPA is based on all courses attempted. (the overall GPA)
- Proficiency in oral communication (demonstrated by oral communication with a grade of C or better in COMM 1110 and/or by other means determined by the department— e.g., interviews or tapes of oral communication).
- Satisfactory completion of the Regents' Exam.
- Satisfactory completion of the basic skills test (or exemption) required of all candidates admitted to teacher education – GACE or Praxis I. (Praxis I is appropriate only for candidates who achieved a passing composite score on this test by September 1, 2006). See individual advisors for specific details. All out-of-state transfers must fulfill this requirement during the first term enrolled at the University of West Georgia.
- Successful completion of EDUC 2110, 2120, and 2130 with a grade of C or better.
- Satisfactory completion of the physical education requirement. See the undergraduate Catalog for further details.
- Satisfactory results on the College of Education Criminal Background Check.
- Completion of any other additional requirements specified by individual departments, e.g., a departmental interview.