

NOTES FOR ADVISING B.Sc. MATH MAJORS

(If there is any conflict with current Undergraduate Catalog, follow the Catalog)

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

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)

Institutional Elective: 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 and if a student takes XIDS 1004 (4 hours), (s)he needn't to take any institutional elective course.

Area C: 6 hours

One course from: XIDS 2100*, ART 1201, ART 2201, ART 2202, ENGL 2060, FILM 2080, MUSC 1100, MUSC 1120, THEA 1100 (3 hours)

One course from: XIDS 2100*, COMM 1154, ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2180, ENGL 2190, FORL 2200, FORL 2300, PHIL 2010, PHIL 2030 or any foreign language course numbered 1001, 1002, 2001, 2002 (3 hours)

Note that *XIDS 2100 is listed in both categories, but it may be counted only once.

Area D: 11 hours

(D1) Take any two lab courses from: BIOL 1107, BIOL 1108, CHEM 1211, CHEM 1212, 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) World History course: either HIST 1111 or 1112 (3 hours)

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

(E3) American/Georgia Government: POLS 1101 (3 hours)

(E4) Social Science Elective Course: ANTH 1102, ECON 2100, ECON 2105, ECON 2106, GEOG 1013, GEOG 2503, PHIL 2130, 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)

1. Emphasize to advisees that science courses MUST be chosen from the list above.

2. If a student starts in Calculus I (MATH 1634) and does not take PreCalculus (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). For this case, use MATH 1634 to replace MATH 1113 in Core Area A2, use MATH 2644 to replace MATH 1634 in Core Area D2 and the 4 hours Core electives go in Core Area F upon the approval of the advisor and the department chair.

3. Credit by Exam: AP Course Exam, CLEP Course Exam, IB Course Exam, Department Credit by Exam and Mathematics Credit-by-Exam(SAT Score). Through these exams, student can possibly get transfer credits for MATH 1113, MATH 1634, MATH 2644. Check the details and updates on the Registrar Office website under the category: Transfer Credit.

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. Discipline Specific Writing (DSW) requirement: the student must take at least two 3000/4000-level W courses (courses approved as writing intensive courses and marked in the semester bulletin with a W) for a total of 6 hours. Currently all math majors are required to take MATH 3003 and 3243 which are both DSW courses when offered as a normal class. If a student takes either one as an independent study, then they must find another DSW course to take to satisfy this requirement. One of the two DSW courses can be from outside the MATH department but only College of Science and Mathematics departments offer DSW 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 (Uteach).