WEBER STATE UNIVERSITY

MATH MAJOR

COURSE REQUIREMENTS

MATHEMATICS MAJOR BS	
Program Prerequisite	Not required for Mathematics and Applied Mathematics majors.
Advisement and Admission Requirements	All Mathematics majors should see the Mathematics Department to be assigned an advisor. They should meet with their advisors at least once a year to help plan their programs and check on their progress. Declare your program of study with your advisor. There are no special admission or application requirements for the Regular or Applied Mathematics emphases.
Grade Requirement	A grade of "C" or better in courses required for this major ("C-" is not acceptable), in addition to an overall 2.0 GPA and a 2.0 GPA in mathematics classes number 1210 or above.
Credit Hour Requirements	A Total of 120 credit hours is required for graduation; 31-46 of these are required within the major. A total of 40 upper division credit hours is required (courses numbered 3000 and above); at least nine credit hours of upper division mathematics must be completed at Weber State University.
Minor Requirement	Required

Major Course Requirements for Mathematics BS Degree

Mathematics Courses Required *(30 credit hours)*

- MATH 1210 Calculus I (4) *Su, F, Sp (Prerequisite—MATH 1050 and MATH 1060, or MATH 1080)*
- MATH 1220 Calculus II (4) *Su, F, Sp (Prerequisite—MATH 1210)*
- MATH 2210 Calculus III (4) *Su, F, Sp (Prerequisite—MATH 1220)*
- MATH 2270 Elementary Linear Algebra (3) *F, Sp (Prerequisite—MATH 1220)*
- MATH 2280 Ordinary Differential Equations (3) *F, Sp (Prerequisite—MATH 1220)*
- MATH 4110 Modern Algebra I (3) *F (alternate years) (Prerequisite—MATH 2270)*
- MATH 4120 Modern Algebra II (3) *Sp (alternate years) (Prerequisite—MATH 4110)*
  - * *or* MATH 4320 Topology (3) *F or Sp (alternate years) (Prerequisite—MATH 2210 and MATH 2270)*
- MATH 4210 Intro Real Analysis I (3) *F (alternate years) (Prerequisite—MATH 2210 and MATH 2270)*
- MATH 4220 Intro Real Analysis II (3) *Sp (alternate years) (Prerequisite—MATH 4210)*

Mathematics Electives *(at least 12 credit hours)*

Complete any upper division (3000 and above) mathematics courses (not including any required courses) so that required mathematics courses and mathematics electives total at least 42 credit hours.

Support Courses Required *(10 credit hours)*

- PHYS 2210/2220 Physics for Scientists & Engineers I and II (5, 5) *F, Sp (Co-requisite MATH 1210 for PHYS 2210. Courses will satisfy Gen Ed PS requirement)*

Graduate School Preparation

It is highly recommended that students planning on graduate work in Mathematics take MATH 3270 Linear Algebra (3) Sp alternate years (Prerequisite—MATH 2270) and MATH 4320 Topology (listed above as an alternate to MATH 4120).

WEBER STATE UNIVERSITY MATHEMATICS DEPARTMENT

801-626-6095 office 801-626-6427 fax math@weber.edu www.weber.edu/mathematics

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