

**First Find the Anticipated Major or Majors:**

Art  
Classics  
Drama  
Ethics and Social Institutions  
Foreign Language  
History  
Literature  
Mass Communication  
Music General Stud. or Jazz  
Philosophy  
Psychology  
Women's Studies

Environmental Studies  
Multimedia Arts and Sciences  
Music - Recording Arts  
Pre-Health Professions

Accounting  
Anthropology  
Business  
Economics  
Management  
Political Science  
Sociology

Astronomy  
Atmospheric Sciences  
Biology  
Chemistry  
Computer Science  
Engineering  
Industrial & Engineering Mgmt  
Mathematics  
Physics

Elementary School K - 6 Ed.  
Teacher Certification

If a student is deciding between majors which have differing math requirements, the student should opt for the higher of the required course numbers. However, no student should ever take a Math course for which they are substantially unprepared.

**MATH 155 The Nature of Mathematics** is the course recommended for these students. The topics presented in this course are generally more relevant to these majors than those in Precalculus. The "Reality Math" sections of Math 155 are, in particular, designed to provide Math topics that are of interest to students in the Humanities and Social Sciences.

**MATH 167 Precalculus** is another option and should be considered by any student who wants to go onto calculus as an elective or is considering a minor in one of the sciences.

**STAT 185 Introductory Statistics** offers another option and should be considered by any student who is considering Undergraduate Research which will involve the collection of numerical data, or are considering graduate studies which might, or simply have an interest in how conclusions are drawn from the analysis of numerical data .

**MATH 191 Calculus I** is an option for students who have a solid background in Mathematics through Precalculus.

**MATH 167 Precalculus** (or a MATH course with a higher number) is the required Math course for these majors. (Environmental Studies students need two Math courses and may start with Stat 185 or Math 191 if skipping Math 167.)

**MATH 191 Calculus I** is an option for students who have a solid background in Mathematics through Precalculus.

**STAT 185 Introductory Statistics** is the required Math Course for these majors. It has no official prerequisites. Students who feel less confident in their math ability may do well to put off this Math requirement until the second semester.

**MATH 155 The Nature of Mathematics** Even though it is not a prerequisite, the Nature of Mathematics may be taken as a preparatory course for the more rigorous STAT 185. This combination of courses will satisfy the Math requirement and one Quantitative Intensive course requirement.

**STAT 225 Calculus-Based Statistics** is a statistics option for students who have had Calculus. Its content is not substantially different from STAT 185, but its applied examples are geared more toward the physical sciences.

**MATH 191 Calculus I** is the required Math Course for these majors. Students who feel unprepared for this course are encouraged to take Precalculus first. Delaying taking math can add extra semesters to complete the degree. Similarly, a failing grade in Calculus puts one behind, so over-placing yourself can be problematic. Take the *Calculus Readiness Test* on line when in doubt (There are links through the Math Department Website.) You may also visit the Math Lab at the beginning of the course, before Drop/Add ends, to get an assessment of your best math placement and preparation options for continued success. (Biology majors also need to take Stat 185 and may begin with this course if skipping Math 167.)

**MATH 167 Precalculus** is an option for students who realize that the strength of their Math background will make Calculus a struggle. Knowing and choosing the best Math Placement is a safeguard for success.

**MATH 211 and Math 215 Structure of Mathematics I and II** (3 semester hours each) are the required Math courses for this certification. Only students seeking this certification should take these classes.