Requirements for the B.S. in Statistics, 2007-2009 catalog

Requirements for the Bachelor of Science degree in Statistics fall into 5 broad categories.

1. Basic University Education Courses
   - English 150
   - English 250
   - Library 160
   - US Diversity Course
   - International Perspectives Course

   A list of courses approved for the US Diversity and International Perspectives Requirements can be found at
   [www.public.iastate.edu/~registrar/courses/div-ip-guide.html](http://www.public.iastate.edu/~registrar/courses/div-ip-guide.html)

2. Foreign Language
   You have already met this requirement if you completed 3 years of a foreign language in High School. International students have met this requirement by completing high school in their home country.

   Otherwise, you must complete two semesters of a foreign language at ISU. However, there are limitations on the courses you may take to complete this requirement. You should discuss these limitations with your advisor.

3. General Education
   - Arts and Humanities (12 hours)
   - Natural Sciences and Mathematical Disciplines (11, 8 science and 3 math)
   - Social Science (9 hours)

   You can choose two general education courses that also complete the US Diversity and International Perspectives basic education requirements.

   A list of the courses that will serve to complete the general education requirements under each of the three areas for the 2007-2009 catalog can be found at the following webpage
   [www.las.iastate.edu/academics/generaleducation/20072009.shtml](http://www.las.iastate.edu/academics/generaleducation/20072009.shtml)

4. Statistics Major
   - Support Courses
     - Math 165, 166, 265 (Calculus)
     - Math 307 or 317 (Linear (Matrix) Algebra)
     - Computer Science 107 or 207 (Programming)
• Communication Studies 102 or Speech Communications 212
• English 302 or 314

• Statistics Courses
  o Statistics 100
  o Statistics 101 (prefer 101L) (introductory course)
  o Statistics 341, 342 (theory sequence)
  o Statistics 401, 402 (applied sequence)
  o Statistics 421 (survey sampling)
  o Statistics 479, 480 (computing courses)
  o 400 - level Statistics elective
  o 400 - level Statistics elective

5. Electives

These are additional courses taken to achieve a total of 120 credit hours.

You are strongly encouraged to earn a minor in a field related to statistics. Some possible minors are:

• Mathematics
• Economics
• Psychology
• Sociology
• Biology
• Genetics
• Foreign Languages
• Business

Double majors are also possible. If you are thinking of a double major with another discipline, please let your advisor know so that you can develop a plan for completing the necessary requirements for both majors with the least number of credits.

6. Additional Requirements

• You must have at least 45 credit hours in courses at the 300 level or above. At least 3 of these hours must be from a course outside your major.
• The last 32 credits must be taken at Iowa State University.
• You CANNOT take any course being used for credits for your major, minor, basic education or general education on a Pass/Fail basis. The only courses you can take Pass/Fail are courses that you will use as electives.
• At least 9 credits in a minor must be used to fulfill only the requirements for the minor. These credits cannot be used to fulfill requirements for the major, basic education, or general education.