Prospective M.S. Students

Why Choose CSUEB?

The Department

Founded in 1964 the Department of Statistics and Biostatistics has offered applied statistics and computing to our students for 7 decades. CSU East Bay is one of the most diverse universities in the United States. We have valued and have admitted students with diverse backgrounds. We have also admitted many students transitioning into Statistics and Data Analysis careers. Our Department has always been at the forefront of software and computational methods for Data Analysis.

Program Highlights

- Choice of concentrations including
  - **DATA SCIENCE.**
  - **APPLIED STATISTICS.**
  - **MATHEMATICAL STATISTICS.**
  - **ACTUARIAL SCIENCE.**
- Small class sizes.
- Options to complete the program in 3 or 4 semesters.
- Evening class options for working adults.
- Access to open source and commercial software.
- Affordable tuitions and value for money
- Opportunities for students to work as TAs and graders.

The Faculty

The department is comprised of highly-trained and engaged faculty with a board level of interests and expertise. Faculty at CSUEB pride themselves in providing a tailored experience for students that support and promote student success.

The Students

The department is home to students from the bay area, from mainland USA and from all over the world. Our graduate program welcomes students with diverse technical backgrounds. The MS program is a preferred choice for students looking to start their careers as a statistician as well as professionals with other MS, PhDs, MD, retired and professionals.

FAQ for MS Applicants

Q: For what terms are students admitted to the Department of Statistics?
A: We accept applications for Fall and Spring.

Q: Where do I fill out an application?
A: All materials are to be submitted electronically. There are two parts to the application, the university application has to be submitted online. The second part is the department application, materials for which are to be mailed to statistics@csueastbay.edu.

Q: What materials are required for the department application?
A: The Department application consists of:
1. A statement of purpose;
2. A list of math and statistics courses taken with brief descriptions of content and grades;
3. Three letters of recommendation (or recent GRE scores).

Q: What is the deadline to apply for admission?
A: The deadline for the University application for the Fall semester is June1st and for the Spring Semester it is November 1st . More information is available at the Office of Admissions.

Q: I am finishing my Calculus requirements over the summer, can I still apply for Fall?
A: Yes you can still apply for Fall. You will need to submit your grades and official transcripts to the university once you have completed the courses. You will also have to inform the department the outcome of the courses. Final decision on admission will be made once the official transcripts have been received.

Q: Is there a minimum GPA required to apply, and what are my chances of being admitted if I have a low GPA?
A: No. All applications are reviewed and evaluated relative to other applications submitted in the same year. Also, grades in relevant courses (math, stats, computer science, etc.) are much more relevant than the overall GPA.

Q: Do you require GRE scores?
A: GRE scores are not required to apply to the program IF you are able to provide 3 letters of recommendations. However, in the absences of letters of recommendations we highly encourage you to submit GRE scores to help evaluate your application. We do not have a minimum required GRE scores. All applications are reviewed and evaluated relative to other applications submitted in the same year.

Q: Must all of the letters of recommendations be academic?
A: No, but the majority should be academic or from recent work experiences.

Q: Do I send Official Transcripts to the Department?
A: No, unofficial transcripts or scanned copies of official transcripts should be uploaded with the

application online. If there is anything you wish to explain about your transcript, please do so in the Statement of Purpose.

Q: What types of financial aid or funding does the Department of Statistics offer students?
A: Some graduate assistantships, particularly as course graders or tutors in the on-campus Student Center for Academic Achievement, are available. Other forms of support are described at http://www20.csueastbay.edu/prospective/cost-and-financial-aid/financial- aid/index.html. Many full-time students receive some form of financial assistance. Tuition and fees for California residents and non-residents vary with the course load.

Q: What are the prerequisites needed to apply to the Master's program?
A: Department's main entry criterion is a sequence of math-major calculus up through multiple integration and differentiation along with series and sequences (usually this is Calculus I and Calculus II on a semester system).

Q: If my undergraduate major was not in Statistics, what are my chances of being admitted to the Master's program in Statistics?
A: Applicants from various academic backgrounds are welcome and encouraged to apply. A background in statistics is not required to apply to our program. Large proportion of our Masters students come from backgrounds other than statistics. An interest and commitment to hard work is most critical to be successful in the program.

Q: Can I complete the Master's program in 3 semesters?
A: Though most students will complete the program in 4 semesters, for our data science track we do have an accelerated roadmap which will allow students to finish the MS in 3 semesters.

Q: Can I change my area of concentration during the program?
A: Yes you can as long as you have taken the necessary electives for the concentration of your choice. The change is initiated by filling out a form available at the statistics office.

Q: Can I have credits transferred towards my Master's degree?
A: A minimum of seventy (70) percent of the total units required by the degree program must be completed in residence while enrolled as an admitted graduate student at Cal State East Bay. More details for credit transfer can be found here.

Q: What software does the department use?
A: The department is able to provide student licenses for various software.
- Open Source Software Focus:R, RStudio, RStudio Cloud, R Notebooks, Markdown, SQL, Python, Julia, Jupyter Notebooks, Git and GitHub, Tableau, LibreOffice, Knime, Google CoLab
- Commercial Software Friendly: Microsoft Excel, SAS, SPSS, Mintab
- Open Data Focus:* kaggle, data.world, [lyft BayWheels], [SFdata], [Chicago], [NHANES], [FAA], [
- OS:Windows, MAC, ask about Linux, BSD, cloud computing
- Books and Learning materials used in some classes. LibreText, Safari, Packt, Bookdown, PeerJ

Q: What are the courses that I will be required to take during the program?
A: We have a list of core courses as well as electives that you will have to take. Details about the course requirements can be found in the university catalog.

Q: What can I do with a Master's in Statistics Degree?
A: Our graduates find jobs in large companies such as Google, Amazon, Roche to start ups. Some go on to Ph.D. programs in statistics or other subjects, such as biostatistics or economics. Here are some sample job titles of recent graduates:

- Data Scientist
- Data Analysts
- Market Researcher
- Research Scientist
- Statistical Consultant
- Statistical Research Analyst

Q: What is the cost of tuition and fees?
A: Current tuition and fee information can be found here.

Q: Do you have part-time or evening programs?
A: We offer our program such that a student can complete it within 2 years by taking classes after 6:00pm. Most first year classes are scheduled on Tuesdays and Thursdays and second year classes are scheduled on Mondays and Wednesdays.

Q: Whom can I contact if I have a specific question?
A: If you have a specific question that is not answered here, please contact the Statistics department office via email at statistics@csueastbay.edu.