

## UMW-CEC/Mason Pre-Master's Program Statistical Science, MS

Statistical Science, the original data science, is in tremendous demand in any field making decisions based on data. Students are educated in the fundamentals and practice of statistics including data collection, organization, visualization, analyses, interpretation and presentation of data using cutting-edge tools and approaches. Graduates lead teams in an expanding range of applications including behavioral, economic, medical, physical, and social sciences, in addition to law and public policy.

### Benefits of enrolling:

The UMW-CEC/Mason Pre-Master's Program allows UMW students to earn up to nine credit hours of selected George Mason University (Mason) graduate courses for credit toward their UMW undergraduate degrees. UMW students subsequently admitted to the CEC/Mason MS in Statistical Science program may then apply those same graduate credit hours toward their MS. Students are referred to the following program links for full information: [cec.gmu.edu](http://cec.gmu.edu) and [catalog.gmu.edu/colleges-schools/engineering-computing/](http://catalog.gmu.edu/colleges-schools/engineering-computing/).

### Program Eligibility:

UMW students entering the UMW-CEC/Mason Pre-MS Program in Statistical Science have completed 90 credit hours toward their UMW undergraduate degrees in statistics, math or a degree requiring demanding mathematical training, with a cumulative GPA  $\geq 3.30$  in their major.

### Getting started:

Students begin the application process through the UMW Assistant Dean of Arts and Sciences. Students are encouraged to meet with the Assistant Dean at the start of their junior year to plan their UMW curriculum for admission to the Pre-MS Program.

### CEC/Mason courses:

The following UMW-CEC/Mason Pre-MS Program courses are eligible for undergraduate credit at UMW and for subsequent credit toward the CEC/Mason MS in Statistical Science.

- STAT 560 – Biostatistical Methods (3 credit hours)
  - Required UMW prerequisite: STAT 280 or STAT 382 (grade of B or better)
- STAT 515 – Applied Statistics and Visualization for Analytics (3 credit hours)
  - Required UMW prerequisite: STAT 180 (grade of B or better)
- STAT 544 – Applied Probability (3 credit hours)
  - Required UMW prerequisite: MATH 224 and STAT 381 (grades of B or better)
  - Approved UMW equivalent prerequisite coursework: MATH 224 and STAT 381

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*\*\*Typically graduate courses are offered with a start time of either 4:30pm or 7:20 pm\*\**

For CEC graduate programs tuition and fees, visit: <https://studentaccounts.gmu.edu/tuition-fees/>