LOYOLA UNIVERSITY CHICAGO
Department of Mathematics and Statistics
6525 N. Sheridan Road • Chicago, IL 60626
P • 773.508.3558 F • 773.508.2123
www.math.luc.edu

B.S.-M.S. Dual Degree Program in Applied Statistics Information Sheet

Overview – The five-year B.S. - M.S. degree program in Applied Statistics provides academically successful Loyola undergraduates the opportunity to pursue the M.S. degree in Applied Statistics while completing their B.S. degree within Loyola's Department of Mathematics and Statistics.

Advantages to the program – Students find this program especially attractive since:

- They get a significant jump-start on their graduate degree by taking M.S. level courses during their senior year.
- They complete the M.S. degree in one year beyond the B.S. degree – quite a plus as compared with the usual 3 semesters for the M.S. degree. In regards specifics, the usual M.S. degree comprises 29 credits, which amounts to three semesters of full-time study. Our B.S.-M.S. students double count nine (9) upper-level course credits during their undergraduate studies, and these 9 credits count for both the B.S. and M.S. degrees. This means that these students take only 20 credits during their final (fifth) year of study for the M.S. degree. This 9 credit reduction is only available to students enrolled in our B.S.-M.S. Applied Statistics program.
- Applicants to our B.S.-M.S. program are waived from taking the (otherwise-required) GRE exam.
- Applicants to our B.S.-M.S. program are waived from paying the application fee.
- Our students thoroughly enjoy the program.
- Obtaining the M.S. degree opens so many job opportunities: our career-focused graduates have a 100% job placement record!
- Some of our B.S.-M.S. students (especially those with Advanced Placement credits) have completed the combined program in less than five years.

Requirements for Admission – these include the following:

- Students normally apply during their junior year.
- Applicants must have completed at least MATH-161, MATH-162, STAT-203 and three courses from the following: MATH-263, MATH-212, or 300-level STAT courses
- The GPA for MATH/STAT courses must be 3.5 or higher.
- A cumulative GPA of 3.3 or higher is required for all course work at Loyola.
- Satisfactory progress towards completion of Loyola's core courses.

Requirements for Completion – After admission to the B.S.-M.S. program in Applied Statistics, students complete the noted nine double-counted credits (usually during their senior year). Students then take the remaining seven 400-level courses (20 credits) during their fifth year. This schedule can be modified for students desiring to finish the combined program in less than five years. To complete the combined degree program, students are required to complete one of the B.S. degrees within the Department of Mathematics and Statistics, and successfully complete: STAT-403 (Computing), STAT-404 (Probability), STAT-405 (Mathematical Statistics), STAT-407 (Design), STAT-408 (Regression), STAT-401 (Consulting), and one 3-credit 400-level STAT elective course. As noted, there is considerable flexibility in completing these courses within the 5-year (or less) time-frame.

How to get more information: Current Loyola students should schedule to meet with the Applied Statistics Graduate Program Director, Dr. Tim O'Brien (tobrie1@luc.edu), as soon as possible to discuss this exciting program. As noted, students with transfer or advanced placement credit have successfully completed this program in the past in well under five years.

How to apply: Interested students can get more information and apply by checking out Loyola's Department of Mathematics and Statistics website – http://luc.edu/math/bsmsstats/ Requirements to apply include completing the (online) application form (be sure to select the B.S.-M.S. option), a one page personal statement of purpose, and three reference letters (at least two of which come from Loyola Math/Statistics faculty).

Accolades about our program and for our graduates – As noted above, 100% of our job-focused M.S. graduates are gainfully employed and enjoying working in applied statistics and predictive modelling (along with the noted high salaries in these fields); others have chosen to pursue further studies. Below is a fair cross-section of the successful pursuits of our recent B.S.-M.S. graduates:

- **Andy Beck and Yoona Chee** – are pursuing their PhD's in Biostatistics at the University of Michigan
- **Paul Bell*** – upon graduation, he joined A.C. Nielsen, and has moved up to the position of Director of the Statistical Methodology unit
- **Sarah Formentini** – plans to pursue her PhD in Statistics in Fall 2016
- **Andrew Guenther** – upon graduation, became a Data Analyst at Blue Cross Blue Shield of IL
- **Anne McCauley** – after serving as an Intern at Price Waterhouse Cooper during her studies, is now a Predictive Modelling Analyst at PWC
- **Sara Ring*** – is now Project Intelligence Consultant at Allstate
- Current B.S.-M.S. Applied Statistics students, **Haley Castele and Krystine Hoang** (due to finish the program in May 2016), plan to pursue careers in sports predictive analytics and public/global health, respectively.

* Featured on our Department Job Placement page at the link
http://www.luc.edu/math/msappliedstat/jobplacement/

We hope you take a serious look at Loyola's Applied Statistics B.S.-M.S. degree program