



# Professional Master's in Statistics (M.Stat) Program Review

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- Prepare the student to adapt statistical methodologies to practical problems in a professional setting.
- Provide customized/individualized programs based on interests and career objectives
- Confer evidence of having the skills of a practicing statistician
- Highlight student choice
  - Broad-based or specialized program of study
- Balanced training: statistical methods, computational statistics and statistical theory

- M.Stat is a non-thesis Master's degree
- Does not require an internship.
- 30 hours of approved coursework, with additional recommended career-enhancing enrichment courses.
- Mix of required, track-specific and elective courses will be jointly determined by the student and the M.Stat graduate advisor.

- Students meet with the M.Stat advisor
  - Select an individualized plan of study
  - Periodic tune-ups as the program progresses
- Program normally requires three semesters of full-time course work
- Part-time M.Stat programs are available for select working students.

- Applied Statistics for Industry
- Financial Statistics and the Statistics of Risk
- Bioinformatics, Statistical Genetics, and Biostatistics
- Statistical Computing and Data Science
- Environmental Statistics
- Joint MBA/M.Stat Degree Program
- Preparation for Ph.D. Studies in Statistics, Mathematical Economics, and Finance

- 13 Graduates 1993-2007
- Excellent growth and projection

<u>5</u>	<u>4</u>	<u>13</u>	<u>15</u>	<u>16</u>	<u>19</u>	<u>26</u>
2008	2009	2010	2011	2012	2013	2014

- Total in program since 1992: 128
- Total graduates through 12/31/13: 85
- Typical in-program count: 30 (3 joint)
- Possible to greatly increase enrollments
- Non-thesis MA and M.Stat/PSM joint degrees
- Diverse, enthusiastic student body
- Excellent placement rates

- Growth in applications/admits – review time and advising requirements
- Need for more citizen students
  - 2010: 8/56 (14.3% citizens or perm.res.)
  - 2011: 12/174 (6.9%)
  - 2012: 9/190 (4.7%)
  - 2013: 13/262 (5.0%)
  - 2014: 12/252 (4.8%)
- Need for increased marketing efforts
- Review funding model at GRB SOE level

