

# DATA SCIENCE AND BUSINESS ANALYTICS (M.S. WITH A CONCENTRATION IN STATISTICS)

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The Master of Science in Data Science and Business Analytics (M.S.D.S.B.A.) program is designed to give graduates a core of computing, business, statistics, and operations research skills to identify, analyze, and solve analytics problems; to integrate those skills in an interdisciplinary way that other, single-discipline-oriented analytics degree might not; and to provide in-depth training in an analytics area of specialization. The statistics concentration is designed to meet demand in industry for talent with solid statistical foundations.

## Admission Requirements

Applicants must meet requirements for admission to the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/admission/>). Students must have earned a Bachelor's Degree from an accredited college or university with sufficient background in mathematics, statistics and computer programming. Application and admission to this program will be coordinated separately in each of the concentration areas in coordination with the participating units.

The M.S.D.S.B.A. program requires students to complete a minimum of thirty credits using master's degree Plan C: a minimum of twenty-four credits in course work plus a six credit practicum with industry. Students will be required to take three core courses (covering the three concentrations) along with three advanced courses which will be required within a concentration. In addition, students will be able to take at least two elective courses. Students will also be required to take a practicum course carrying six credits that will pull together a variety of subject material covered in the core/elective courses in the context of real-world applications. The six credits for practicum may be replaced by two applied statistics courses for the statistics concentration if students elect to do so. These applied statistics courses typically include class projects. Combined, the core and advanced courses give students integrated breadth of analytics, and provide depth of knowledge in an area of analytics tailored to their specific interests and career goals.

**Academic Scholarship:** All course work must be completed in accordance with the regulations of the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/academic-regulations/>) and the College of Liberal Arts and Sciences (<https://bulletins.wayne.edu/graduate/college-liberal-arts-sciences/academic-regulations/>). Students may enroll on a full-time or part-time basis but must complete requirements within six years of admission.