

ANALYTICS, M.S.

The master's program in analytics curriculum teaches students to design and implement analytics projects to solve complex organizational problems through statistical and analytical techniques for analyzing datasets of various sizes.

Through coursework, students gain skills in project management, decision making, and learn how to communicate the intricacies of complex data more effectively.

Along the way, students learn from a network of diverse peers from around the world, merging technology with human and organizational structures while engaging in knowledge discovery, management, and dissemination of industry-critical knowledge. Students can also earn a graduate certificate that complements a master's degree, often without taking additional credits, allowing the program to be tailored to specific interests.

Careers

SLU's M.S. in Analytics provides students with skills in data mining, data visualization, predictive analytics, design and implementation of analytics projects and data management. Graduates from this program are ready to discover the patterns within large quantities of data and provide insightful recommendations that inform organizational decision-making.

Recent trends in the job market data and experts' predictions indicate that the job market for data analytics, business analytics and similarly named skill sets will grow in the future.

Admission Requirements

- An undergraduate degree from an accredited institution
- Most successful applicants have an undergraduate grade point average of 3.0 or better
- Two or more years of work experience is recommended (full-time or part-time employment, internships, co-ops and similar experiences)

Application Requirements

- Application form and fee
- Transcript(s)
- Three external reference evaluations
- Résumé
- An essay of about 500 words that describes:
 - What attracted you to this program?
 - How will a master's degree in this field will benefit you in your present or future career?

Requirements for International Students

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English language proficiency. Some examples of demonstrated English language proficiency include minimum score requirements for the following standardized tests:
 - Paper-based TOEFL: 550
 - Internet-based TOEFL: 80
 - IELTS: 6.5
 - PTE: 54
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

- Proof of financial support, which must include:
 - A letter of financial support from the person(s) or sponsoring agency funding the time at Saint Louis University
 - A letter from the sponsor's bank verifying that the funds are available and will be for the duration of study at the University

Application and Assistantship Deadlines

Students should apply for the fall semester by July 1 and for the spring semester by Nov. 1.

The application deadlines for international students are: May 15 (fall), October 1 (spring) and February 1 (summer).

Students seeking assistantships should apply by Feb. 1.

Review Process

Application decisions are made per guidelines and a review process established by the department, school or college.

Scholarships and Financial Aid

For priority consideration for graduate assistantships, applicants should complete their applications by February 1.

For more information, visit the Office of Student Financial Services online at <http://www.slu.edu/financial-aid>.

Learning Outcomes

1. Graduates will be able to employ research methodologies appropriate for the field of analytics.
2. Graduates will be able to apply program-specific knowledge to address practical problems using an ethical, evidence-based framework.
3. Graduates will be able to implement analytics systems that facilitate context-appropriate decision making.
4. Graduates will be able to utilize argumentation skills appropriate for a given problem or context.

Requirements

Code	Title	Credits
Graduate Core Courses		
Graduate core requirements (p. 2)		12
Foundation Courses		
AA 5000	Foundations of Analytics	3
AA 5100	Information Retrieval	3
AA 5200	Visualization, Feedback and Dissemination	3
AA 5250	Project Management	3
Electives		
Select three of the following:		9
AA 5300	Advanced Analytics	
AA 5750	Contemp Issues in Analytics	
Elective	Student's choice outside of program	
Elective	Student's choice outside of program	
Applied Research Project		
AA 5961	Analytics Master's Project - I	1
AA 5962	Analytics Master's Project - II	1
AA 5963	Analytics Master's Project - III	1
Total Credits		33

Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.

Graduate Core Courses

		Credits
ORLD 5050	Ethical, Evidence-Based Decision Making	3
AA 5221	Analytics & Methods I	3
AA5961-5963	Analytics Master's Research Project (MRP)	3
Total Credits		9

Contact Information

Learn more and apply for admission at slu.edu/globalgrad.

Contact us at globalgrad@slu.edu with any questions.