APPLIED ANALYTICS, M.S.

Offered through Saint Louis University’s School for Professional Studies, the Master of Science in Applied Analytics curriculum will teach you to design and implement analytics projects to solve complex organizational problems through statistical and analytical techniques for analyzing datasets of various sizes. Through your coursework, you'll gain skills in project management, decision making, and learn how to communicate the intricacies of complex data more effectively.

Along the way, you’ll learn from a network of diverse peers from around the world, merging technology with human and organizational structures as you engage in knowledge discovery, management, and dissemination of industry-critical knowledge. You can also earn a graduate certificate that complements a master's degree, often without taking additional credits, allowing you to tailor the program to your specific interests.

As part of the School for Professional Studies, this 36-credit master’s program offers data-driven professionals like you a flexible option to meet your personal career goals. With multiple start terms, you can begin the master’s program in Fall, Spring, or Summer. All courses are offered entirely online in eight-week terms, making advanced education more accessible for working professionals. You will join a community of academics and practitioners from around the world and from a wide range of academic and professional backgrounds, providing the opportunity to learn from a network of peers.

Careers

SLU’s M.S. in Applied 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

• Completed application.
• Official transcript(s) from most recent institution attended.
• Most successful applicants have an undergraduate grade point average of 3.00 or better.
• At least two years of work experience is recommended (includes full-time and part-time employment, internships, co-ops and similar experiences).
• Three external reference evaluations.
• Statement of professional goals (approximately 500 words suggested) articulating: (1) what attracted you to this program, and (2) how a master's degree in this field will benefit you in your present or future career.
• Resume or curriculum vitae.

Application Requirements

• Application form
• Transcript: An official transcripts from the most recent institution attended
• Three recommendations submitted using the Applicant Evaluation Form
• Résumé
• A 500-word personal statement articulating why a master's degree is needed within present or future career and how the program will help meet that need

Requirements for International Students

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

• Demonstrate English Language Proficiency (http://catalog.slu.edu/academic-policies/office-admission/graduate/english-language-proficiency)
• Proof of financial support 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 so for the duration of study at the University
• 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.

Application and Assistantship Deadlines

Students should apply for the fall semester by July 1 and for the spring semester by Jan. 3.

To be considered for an assistantship, apply by Feb. 1.

Review Process

Applications are reviewed by a committee of School for Professional Studies faculty members.

Apply Now (http://www.slu.edu/apply.php)

Scholarships and Financial Aid

For priority consideration for graduate assistantship, applicants should complete their applications by Feb. 1.

For more information, visit the student financial services office online at http://financialaid.slu.edu.

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  Applied Analytics Master’s Project - I  1
AA 5962  Applied Analytics Master’s Project - II  1
AA 5963  Applied Analytics Master’s Project - III  1

Total Credits  36

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

Graduate Core Courses
Code  Title  Credits
ORLD 5010  Contemporary Organizational Leadership  3
or ORLD 5000  Organizational Dynamics  3
ORLD 5050  Ethical, Evidence-Based Decision Making  3
AA 5221  Applied Analytics & Methods I  3
AA 5222  Applied Analytics & Methods II: Survey Approaches  3
or AA 5223  Applied Analytics & Methods II: Experimental Approaches  3

Total Credits  12

Roadmap
Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course  Title  Credits
Year One
Fall
Fall 1  !AA 5000  Foundations of Analytics  3
Fall 2

Spring
Spring 1  !AA 521  Applied Analytics & Methods I  3
Spring 2  !AA 522  Applied Analytics & Methods II: Survey Approaches  3
or AA 523  Applied Analytics & Methods II: Experimental Approaches  3

Summer  !AA 5300  Advanced Analytics  3

Year Two
Fall
Fall 1  !AA 5200  Visualization, Feedback and Dissemination  3
Fall 2  !AA 5750  Contemp Issues in Analytics  3

Spring
Spring 1  !AA 5250  Project Management  3

Summer  !AA 5800  Simulation and Modeling  3
AA 5962  Applied Analytics Master’s Project - II  1

Year Three
Fall
Fall 1  !ORLD 5010  Contemporary Organizational Leadership  3
Fall 2  AA 5963  Applied Analytics Master’s Project - III  1

Total Credits  36

Contact Us
Apply for Admission (https://www.slu.edu/online/becoming-a-student/apply.php)
For additional admission questions please call (314) 526-2825 or email sps@slu.edu.