ANALYTICS, M.S.

Learn 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 in Saint Louis University's Master of Science in Analytics program, you'll gain project management and decision-making skills 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 33-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 the fall or spring. You will join a community of academics and practitioners from a wide range of subjects and professional backgrounds, providing you the opportunity to learn from a network of peers.

The 100% Online program offers flexible courses in eight-week terms, making advanced education more accessible for working professionals.

The on-campus version of this program, created so that international students can meet their visa requirements, is also offered in flexible eight-week terms.

Faculty

As a student in the School for Professional Studies at Saint Louis University, you'll learn from exceptional faculty who are leading experts in their fields. They bring real-world knowledge to the classroom and are dedicated to your professional success. Learn more on our faculty page (https://www.slu.edu/professional-studies/contact-us/faculty/).

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 similar skill sets will only continue to grow in the future.

Tuition

Tuition	Total Program Cost
On-Ground MS Analytics, MS Cybersecurity, MS Information Systems, Master of Professional Studies, MS Project Management	$36,000

Tuition	Cost Per Credit
Online Graduate Degrees and Post-Baccalaureate Certificates	$790

Additional charges may apply. Other resources are listed below:

Net Price Calculator (https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php)

Information on Tuition and Fees (https://catalog.slu.edu/academic-policies/student-financial-services/tuition/)

Miscellaneous Fees (https://catalog.slu.edu/academic-policies/student-financial-services/fees/)

Information on Summer Tuition (https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/)

Scholarships and Financial Aid

For priority consideration for graduate assistantship, apply by Feb. 1.

For more information, visit the student financial services office online at https://www.slu.edu/financial-aid/index.php (https://www.slu.edu/financial-aid/). (https://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
Admission Requirements

- Completed application
- Undergraduate degree (most successful applicants have an undergraduate grade point average of 3.0 or better)
- Official transcript from a degree-granting institution
- Statement of purpose (about 500 words)
- Resume or curriculum vitae
- External reference recommendations (encouraged but not required)

Upon admission, a new online student* must successfully complete a virtual meeting with their academic coach to be enrolled in first term coursework.

* This is for 100% online students only. International on-campus graduate students will meet their academic coach at on-campus orientation.

Requirements for International Students

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

- Applicants must 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.

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

Program Requirements

Code	Title	Credits
Graduate Core Courses		
AA 5221	Applied Analytics & Methods I	3
ORLD 5050	Ethical, Evidence-Based Decision Making	3
Foundation Courses		
AA 5000	Foundations of Analytics	3
AA 5100	Information Retrieval	3
AA 5200	Visualization, Feedback and Dissemination	3
AA 5222	Applied Analytics & Methods II: Survey Approaches	3
or AA 5223	Applied Analytics & Methods II: Experimental Approaches	
AA 5250	Project Management	3
Electives		
Select three of the following:		9
AA 5300	Advanced Analytics	
AA 5750	Contemporary Issues in Analytics	
AA 5800	Simulation and Modeling	
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		**33**

Continuation Standards

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

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.

100% Online Roadmap

Course	Title	Credits
Year One		
Fall		
Fall 1		
AA 5000	Foundations of Analytics	3
Fall 2		
ORLD 5050	Ethical, Evidence-Based Decision Making	3
	Credits	**6**
Spring		
Spring 1		
AA 5221	Applied Analytics & Methods I	3
Spring 2		
AA 5222 or AA 5223	Applied Analytics & Methods II: Survey Approaches or Applied Analytics & Methods II: Experimental Approaches	3
	Credits	**6**
Summer		
AA 5961	Applied Analytics Master's Project - I	1
	Credits	**1**
Year Two		
Fall		
Fall 1		
AA 5200	Visualization, Feedback and Dissemination	3
AA 5250	Project Management	3
OR		
AA 5750	Contemporary Issues in Analytics	
Fall 2		
AA 5962	Applied Analytics Master's Project - II	1
	Credits	**7**
Spring		
Spring 1		
AA 5300	Advanced Analytics	3
OR		
AA 5800	Simulation and Modeling	
Spring 2		
AA 5100	Information Retrieval	3
	Credits	**6**
Summer		
AA 5300	Advanced Analytics	3
OR		
AA 5800	Simulation and Modeling	
	Credits	**3**
Year Three		
Fall		
Fall 1		
AA 5750	Contemporary Issues in Analytics	3
OR		
AA 5250	Project Management	

Fall 2		
	Credits	**3**
Spring		
AA 5963	Applied Analytics Master's Project - III	1
	Credits	**1**
	Total Credits	**33**

On-Campus Roadmap

Course	Title	Credits
Year One		
Fall		
Fall 1		
AA 5221	Applied Analytics & Methods I	3
Fall 2		
AA 5000	Foundations of Analytics	3
AA 5222	Applied Analytics & Methods II: Survey Approaches	3
	Credits	**9**
Spring		
Spring 1		
AA 5300	Advanced Analytics	3
PMGT 5000	Project Management Principles	3
Spring 2		
AA 5100	Information Retrieval	3
ORLD 5050	Ethical, Evidence-Based Decision Making	3
	Credits	**12**
Summer		
AA 5800	Simulation and Modeling	3
AA 5961	Applied Analytics Master's Project - I	1
	Credits	**4**
Year Two		
Fall		
Fall 1		
AA 5200	Visualization, Feedback and Dissemination	3
AA 5962	Applied Analytics Master's Project - II	1
Fall 2		
AA 5750	Contemporary Issues in Analytics	3
Either Fall 2 or Spring 1 (year 2)		
AA 5963	Applied Analytics Master's Project - III	1
	Credits	**8**
	Total Credits	**33**