**APPLIED ANALYTICS, POST-BACCALAUREATE CERTIFICATE**

If you have already obtained a master’s degree or higher, or if you meet the program prerequisites, SLU offers a stand-alone certificate in Applied Analytics that can be completed entirely online.

**Curriculum Overview**

This online certificate program is a 12-credit program designed for working professionals wishing to be introduced to the Analytics field, while maintaining part- or full-time employment. With courses offered in online format in accelerated 8-week terms, this program makes advanced education more accessible for working professionals.

Using the latest video capture and discussion board technology, students meet and collaborate with instructors and classmates in both synchronous and asynchronous online formats — meaning students can access course content 24/7 without having a specific mandatory class meeting time. To ensure individual attention and mentoring by distinguished faculty, courses will never have more than 20 students.

A unique aspect of the program is the ability to earn a graduate certificate that complements a master’s degree, often without taking additional credits. This allows students to tailor the program to specific interests.

**Careers**

Students completing the certificate program are going to take on jobs that are related to the application of analytics and data science to address business needs. Some examples of such roles include data translator, project manager, business analyst, analytics application developer, data analyst, etc. Recent trends in the job market data and experts’ predictions indicate that the job market for data analytics, developer, data analyst, etc. will grow in the future. Experts’ predictions indicate that the job market for data analytics, translator, project manager, business analyst, analytics application developer, data analyst, etc. will grow in the future.

**Admission Requirements**

- Minimum undergraduate GPA: 3.00
- Applicant must be employed on at least a part-time basis (20 hours or more per week) and have at least three years of work experience
- Completed coursework in the following areas:
  - At least one course in information systems/technology or a programming language.
  - At least one basic statistics or research methods course.
  - Skills in using business productivity software and understanding of basic level software installation and troubleshooting procedures.

Applicants who have a GPA that is less than 3.0 will be considered on a case-by-case basis, by considering the strength of the remaining components of their application.

Students missing any of the below prerequisites will be permitted to fulfill them through the School for Professional Studies prior to acceptance into the leadership and organizational development program.

**Application Requirements**

- Application form and fee
- Transcript(s)
- 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 Nov. 1.

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.

**Scholarships and Financial Aid**

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

**Gainful Employment Disclosure**

The U.S. Department of Education requires (per 34 CRF Part 668) that all institutions participating in the federal Title IV student financial assistance programs (Pell Grants, federal student loans, etc.) publicly disclose certain data regarding all academic programs designated as "Gainful Employment" programs per DOE definitions.


**Learning Outcomes**

1. Graduates will be able to utilize effective discipline-specific argumentation skills.
2. Graduates will be able to implement analytics systems that facilitate context-appropriate decision making.

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA 5000</td>
<td>Foundations of Analytics</td>
<td>3</td>
</tr>
<tr>
<td>AA 5100</td>
<td>Information Retrieval</td>
<td>3</td>
</tr>
<tr>
<td>AA 5200</td>
<td>Visualization, Feedback and Dissemination</td>
<td>3</td>
</tr>
</tbody>
</table>
### Course Title Credits

<table>
<thead>
<tr>
<th>Year One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Fall 1</td>
<td></td>
</tr>
<tr>
<td>AA 5000</td>
<td>Foundations of Analytics 3</td>
</tr>
<tr>
<td>Fall 2</td>
<td></td>
</tr>
<tr>
<td>AA 5200</td>
<td>Visualization, Feedback and Dissemination 3</td>
</tr>
</tbody>
</table>

| Credit Total | 6 |

<table>
<thead>
<tr>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 1</td>
<td></td>
</tr>
<tr>
<td>AA 5300 or AA 5800</td>
<td>Advanced Analytics 3 or Simulation and Modeling</td>
</tr>
</tbody>
</table>

| Spring 2    |         |
| AA 5100    | Information Retrieval 3 |

| Credit Total | 9 |

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.