ADVANCED HEALTH DATA SCIENCE, POST-BACCALAUREATE CERTIFICATE

The Saint Louis University advanced health data science post-baccalaureate certificate is a 9-credit graduate-level program designed to provide focused, high-impact training in advanced analytical methods, predictive modeling, and applied health data science. This SLU certificate is tailored for professionals and graduate-level students seeking to enhance their technical skills in health data science without committing to a full degree program, making it an ideal option for those in clinical, academic or public health roles who need specialized training to keep pace with data-driven innovations in healthcare.

All courses included in the certificate are offered as part of the Master of Science in Health Data Science at Saint Louis University. By offering a flexible, stackable credential that can serve as a standalone qualification or a gateway to the full master's degree, the program meets current workforce demands while enhancing SLU's reputation as a leader in mission-driven, equity-focused health data science education.

Admission Requirements

- Complete Application form
- Transcripts from most recent degree(s)
- Résumé or curriculum vitae
- GRE Not Required

Tuition

Tuition	Cost Per Credit
Online Graduate Degrees and Post-Baccalaureate Certificates	$810

Additional charges may apply. Other resources are listed below:

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-current/)

Learning Outcomes

1. Graduates will apply appropriate methods to analyze large, numeric and non-numeric data, both real and AI-generated.
2. Graduates will effectively communicate the results of analyses of both numeric and non-numeric data, both real and AI-generated.
3. Graduates will demonstrate an understanding of ethical aspects of real and AI-generated data.

Requirements

Code	Title	Credits
HDS 5230	High-Performance Computing and Health Artificial Intelligence	3
HDS 5430	Image Processing and Deep Learning Diagnostics	3
HDS 5530	Natural Language Processing in Medicine	3
Total Credits		**9**

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
HDS 5430	Image Processing and Deep Learning Diagnostics	3
HDS 5230	High-Performance Computing and Health Artificial Intelligence	3
HDS 5530	Natural Language Processing in Medicine	3
	Credits	**9**
	Total Credits	**9**

Contact Us

For more information about this program, please call 314-977-8062 or email somanalytics@health.slu.edu (somanalytics@slu.edu).