

BIostatISTICS, B.S. TO HEALTH DATA SCIENCE, M.S. ACCELERATED PROGRAM

Saint Louis University's accelerated B.S. in Biostatistics/M.S. in Health Data Science is designed for students who demonstrate academic success in the biostatistics major and related coursework. The B.S. in Biostatistics is offered through the College for Public Health and Social Justice (<https://www.slu.edu/public-health-social-justice/>), accredited by the Council on Education for Public Health. The degree uses the American Statistical Association's guidelines for undergraduate data health sciences.

This accelerated program enables biostatistics majors to obtain their undergraduate and master's degrees in five years; they then enter the workforce up to a year earlier than with a traditional two-year master's program. Students apply to the accelerated program during their fifth semester of collegiate study, and accepted students begin graduate coursework during their senior year. Students retain undergraduate status, financial aid and tuition rates until their undergraduate degree is conferred after year four. At that time, students attain official graduate student status, pay graduate tuition, and become eligible for graduate assistantships.

For additional information, see the catalog entries for the following programs:

Biostatistics, B.S. (<https://catalog.slu.edu/colleges-schools/public-health-social-justice/undergraduate-programs/biostatistics-bs/>)

Health Data Science, M.S. (<https://catalog.slu.edu/colleges-schools/medicine/health-outcomes-research/health-data-science-ms/>)

Admission

SLU students in the biostatistics major who meet the eligibility requirements may apply in the fall semester of their junior year.

Eligibility requirements include:

- Students must be in their fifth semester of collegiate study.
- Students must have a minimum cumulative GPA of 3.00, and a mathematics/statistics GPA of 3.40.
- Students must demonstrate a plan to complete 90 of the 120 credits required for their biostatistics major by the beginning of their fourth year of studies.
- Students must be eligible to complete the accelerated curriculum with no more than 15 credits during each semester during year four of the program.
- Students must be in good academic and disciplinary standing with Saint Louis University and the College for Public Health & Social Justice.
- Students must demonstrate the potential for leadership in Biostatistics; this can be done through engagement in volunteer activities or work experience.

Application procedures and program details are outlined in the CPHSJ Undergraduate Public Health Student Handbook ([https://](https://sites.google.com/a/slu.edu/my-cphsj/home/undergraduate/undergraduate-public-health-programs/ugph-student-handbook/)

sites.google.com/a/slu.edu/my-cphsj/home/undergraduate/undergraduate-public-health-programs/ugph-student-handbook/).

Requirements

The accelerated B.S./M.S. program allows students to use up to 15 graduate credits toward their undergraduate degree.

Students in the Accelerated Program are allowed to double count 15 credits of coursework towards both the undergraduate and graduate degrees.

Continuation Standards

- Cumulative GPA of at least 2.00
- Cumulative GPA of at least 3.00, with a MATH and BST GPA of 3.40 in order to participate in the graduate program
- Minimum grade of B- in all graduate-level courses
- Minimum grade of C in all B.S. in Biostatistics major courses
- Minimum grade of C- in all core courses
- Minimum grade of D in all remaining general elective courses counting toward the minimum 120 credits required for graduation

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		
CORE 1000	Ignite First Year Seminar	2-3
CORE 1500	Cura Personalis 1: Self in Community	1
CORE 1900	Eloquentia Perfecta 1: Written and Visual Communication	3
PUBH 2100	Introduction to Global Health	3
MATH 1510	Calculus I	4
General Elective		3
Credits		16-17
Spring		
MATH 1520	Calculus II	4
CORE 1600	Ultimate Questions: Theology	3
BST 3000	Intro to Statistical Computing	3
General Elective		3
General Elective		3
Credits		16
Year Two		
Fall		
BST 3100	Applied Biostatistics I	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3

CORE 1700	Ultimate Questions: Philosophy	3
MATH 2530	Calculus III	4
General Elective: Dignity, Ethics & a Just Society Attribute		3
Credits		16

Spring

BST 3200	Applied Biostatistics II	3
CORE 2500	Cura Personalis 2: Self in Contemplation	0
EPI 4000	Intro Epidemiology: Foundations & Practice	3
General Elective		3
General Elective: Identities in Context Attribute		3
General Elective: Global Interdependence		3
Credits		15

Year Three**Fall**

! Eligible students formally apply to the Accelerated Program.

BST 4100	Theory of Biostatistics I	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
PUBH 3200	Evidence Based Public Health	3
PUBH 4100	Biological Basis of Public Health	3
Credits		14-15

Spring

Department reviews applications, conducts interviews, and qualified students are notified of acceptance.

BST 4200	Theory of Biostatistics II	3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
CORE 4000	Collaborative Inquiry	2-3
General Elective: Writing Intensive		3
General Elective: Reflection in Action Attribute		3
Credits		14-15

Year Four**Fall**

Formal participation in the Accelerated Program begins. Students maintain undergrad status and take a maximum of 15 credits.

BST 4400	Introduction to Applied Data Management	3
CORE 3500	Cura Personalis 3: Self in the World	1
General Elective		3
General Elective		3
General Elective: Accelerated Students substitute a Graduate Level Course		3
General Elective: Accelerated Students substitute a Graduate Level Course		3
Credits		16

Spring

Students take a maximum of 15 credits. B.S. degree is conferred in May.

BST 4200	Theory of Biostatistics II	3
General Elective		3
General Elective		3

General Elective: Accelerated Students substitute a Graduate Level Course	3
General Elective: Accelerated Students substitute a Graduate Level Course	3

Code	Title	Credits
Graduate Level Courses		30

Accelerated students double count up to 15 credits of coursework between the undergraduate program and the graduate program.

‡ Fulfills the cultural diversity core requirement.

Refer to the B.S. in Biostatistics roadmap (<https://catalog.slu.edu/colleges-schools/public-health-social-justice/undergraduate-programs/biostatistics-bs/#roadmaptext>) for a list of approved English, fine arts and social science classes.

Contact Us

Apply for Admission (<http://www.slu.edu/admission/>)

For additional questions about undergraduate admission, please contact:

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