BIOSTATISTICS, B.S.
TO BIOSTATISTICS AND
HEALTH ANALYTICS, M.S.
ACCELERATED PROGRAM

Saint Louis University's accelerated B.S. in Biostatistics/M.S. in Biostatistics and Health Analytics is designed for students who demonstrate academic success in the biostatistics major and related coursework.

SLU’s 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.

The B.S. in Biostatistics is offered through SLU’s College for Public Health and Social Justice (https://www.slu.edu/public-health-social-justice/), which is accredited by the Council on Education for Public Health. The degree uses the American Statistical Association’s guidelines for undergraduate data health sciences.

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


Biostatistics and Health Analytics, M.S. (https://catalog.slu.edu/colleges-schools/public-health-social-justice/graduate-programs/biostatistics-health-analytics-ms/)

Requirements
Admission Requirements
SLU students in the biostatistics major who meet the eligibility requirements may apply to this program 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.
• 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 and Social Justice.


Program Requirements
Students apply for the accelerated program their junior year. Their senior year, students can enroll in up to 15 credits of graduate coursework that will count for both the B.S. and the M.S. degrees.

Continuation Standards

• Cumulative GPA of at least 3.00 each semester
• 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
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</tr>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CORE 1000</td>
<td>Ignite First Year Seminar</td>
<td>2-3</td>
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<tr>
<td>CORE 1500</td>
<td>Cura Personalis 1: Self in Community</td>
<td>1</td>
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<tr>
<td>CORE 1900</td>
<td>Eloquentia Perfecta 1: Written and Visual</td>
<td>3</td>
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<td></td>
<td>Communication</td>
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<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>PUBH 2100</td>
<td>Introduction to Global Health</td>
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<td></td>
<td>General Elective</td>
<td>3</td>
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<td></td>
<td>Credits</td>
<td>16-17</td>
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<tr>
<td>Spring</td>
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<tr>
<td>BST 3000</td>
<td>Intro to Statistical Computing</td>
<td>3</td>
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<tr>
<td>MATH 1520</td>
<td>Calculus II (Quantitative Reasoning)</td>
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<td>CORE 1600</td>
<td>Ultimate Questions: Theology</td>
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<td>General Elective</td>
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<td>Credits</td>
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<td>Year Two</td>
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<td>Fall</td>
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<tr>
<td>BST 3100</td>
<td>Applied Biostatistics I</td>
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<tr>
<td>CORE 1200</td>
<td>Eloquentia Perfecta 2: Oral and Visual</td>
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<td></td>
<td>Communication</td>
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<tr>
<td>CORE 1700</td>
<td>Ultimate Questions: Philosophy</td>
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</tbody>
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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
General Elective  3
General Elective  3
General Elective: Global Interdependence  3
General Elective: Identities in Context Attribute  3

Credits  15

Year Three
Fall
Eligible students formally apply to the Accelerated Program.

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 (Natural & Applied Sciences)  3
General Elective  3
General Elective  3

Credits  17-18

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

CORE 3600  Ways of Thinking: Social and Behavioral Sciences  3
CORE 4000  Collaborative Inquiry  2-3
General Elective  3
General Elective: Writing Intensive  3
General Electives: Reflection in Action Attribute  3

Credits  14-15

Year Four
Fall
BST 4100  Theory of Biostatistics I (Accelerated Students will substitute BST 5020)  3
BST 4400  Introduction to Applied Data Management  3
EPI 4000  Intro Epidemiology: Foundations & Practice (Accelerated Students substitute PUBH 5030 or BST 5450)  1
General Elective  3
General Elective (If needed to reach 120 credits by degree conferral)  1-3

Credits  13-15

Spring
BST 4200  Theory of Biostatistics II (Accelerated Students will substitute BST 5025)  3
CORE 3500  Cura Personalis 3: Self in the World  1
EPI 4000  Intro Epidemiology: Foundations & Practice (Accelerated Students substitute PUBH 5030 or take Graduate Level course.)  1

Credits  13

General Elective - For Accelerated Students, a Graduate Level class substitutes in place of this General Elective.

General Elective  3

Credits  13

Year Five
Fall
Graduate Level Course  3
Graduate Level Course  3
Graduate Level Course  3

Credits  9

Spring
Graduate Level Course  3
Graduate Level Course  3
Graduate Level Course  3

Credits  9

Total Credits  138-143

*Up to 12 credits will double count between the 120 credits required for the undergraduate degree and the 36 credits required for the graduate degree.

Students accepted to the accelerated program choose one of two concentrations:

1. Traditional Biostatistics and Health Analytics Concentration
   (https://catalog.slu.edu/colleges-schools/public-health-social-justice/graduate-programs/biostatistics-health-analytics-ms/#requirementstext)

2. Geospatial Health Data Analytics Concentration (https://catalog.slu.edu/colleges-schools/public-health-social-justice/graduate-programs/biostatistics-health-analytics-ms/#requirementstext)

Course depends on the MS track the student follows

Contact Us
Apply for Admission (http://www.slu.edu/admission/)

For additional questions about undergraduate admission, please contact:
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katie.linnenbrink@slu.edu