

DATA SCIENCE, B.S. (STLCC 2+SLU)

This program plan is part of the formal 2+SLU transfer agreement between St. Louis Community College and Saint Louis University.

Students in this program will satisfy the degree requirements published in the 2025-2026 academic catalog at St. Louis Community College and the 2026-2027 academic catalog at SLU. Students must complete all courses and transfer to SLU by the fall 2029 semester.

Students who plan to transfer to SLU after fall 2029 should contact a transfer admission counselor (<https://www.slu.edu/admission/transfer/contact.php>) to explore options.

Students who have been following a program plan from a previous year's academic catalog can reference their older program plan version by reviewing our previous catalogs (<https://catalog.slu.edu/previous-catalogs/>).

For additional information see the catalog entry for:

Data Science, B.S. (<https://catalog.slu.edu/colleges-schools/arts-sciences/interdisciplinary/data-science-bs/>)

Admission Requirements

- Students must complete all the courses outlined on the program plan unless an exception is approved by SLU.
- Students must complete an application for admission.
- Students may be subject to admission review under circumstances outlined in the Admission Policies (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/admission-policies/>).
- Students must present at least a 2.50 cumulative college GPA at the time of transfer to SLU.
- SLU strongly recommends earning a B or higher in all MTH and IS courses. Students who earn a B- or lower in these courses often struggle in higher-level MATH/CSCI/DATA courses at SLU.
- This program plan is structured for a fall semester start at SLU. Students interested in starting the spring semester should contact SLU to explore this option.

Program Plan

Program plans provide a guided pathway for students to earn an associate degree at their home institution and a bachelor's degree at Saint Louis University. Students may change the sequence in which they complete courses at their home institution. Students who complete a course that is not part of this program plan are encouraged to contact SLU to see if the course could be substituted.

St. Louis Community College Courses

Transfer Course	Transfer Course Title	Transfer Course Credits	Equivalent SLU Course	Equivalent SLU Credits
Year One				
Fall				

COM 107	Public Speaking (MOTR COMM 110)	3	CMM 1200	3
ENG 101	College Composition I (MOTR ENGL 100)	3	ENGL 1500	3
MTH 210	Analytic Geometry and Calculus I **	5	MATH 1510	5
PHL 101	Introduction to Philosophy (MOTR PHIL 100)	3	PHIL 1700	3
	Social & Behavioral Sciences: Civics Course	3	Elective	3
Credits		17		17
Spring				
ENG 102	College Composition II (MOTR ENGL 200)	3	ENGL 1900	3
MTH 220	Analytic Geometry and Calculus II **	5	MATH 1520	5

Choose one: 3-5 CORE 3800 3-5

BIO 106 (BIOL
1ELE), BIO
109 (BIOL
1ELE), BIO
110 (BIOL
1ELE), BIO
113 (BIOL
1ELE), BIO
124 (BIOL
1ELE),
BIO 125
(DIET 2080),
BIO 140
(BIOL 1ELE),
BIO 151
(BIOL 1ELE),
BIO 154
(BIOL 1ELE),
CHM 101
(CHEM 1080
&
CHEM 1085),
CHM 105
(CHEM 1110
&
CHEM 1115),
CHM 109
(CHEM 1000),
GEG 103
(EAS 1170),
GEO 100
(EAS 1430),
GEO 103
(EAS 1080),
GEO 111
(EAS 1430 &
EAS 1435),
GEO 113
(EAS 1450),
PHY 111
(PHYS 1310),
PHY 122
(PHYS 1610 &
PHYS 1620),
PSI 115
(PHYS 1ELE),
PSI 123
(EAS 1420),
PSI 125
(EAS 1420)

Choose one: 3 CORE 3400 3

ART 102
(ARTH 1010),
ART 103
(ART 2800),
ENG 204
(ENGL 3270),
ENG 205
(ENGL 3280),
ENG 211
(ENGL 3260),
HST 115
(HIST 1110),
HST 128
(HIST 1120),
HUM 109
(HIST 1ELE),
HUM 110
(HIST 1ELE),
MCM 131
(FMST 1450),
MUS 113
(MUSC 1150),
MUS 114
(MUSC 1000),
MUS 128
(MUSC 1000),
THT 101
(THR 1500)

Credits	14-16	14-16
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Year Two

Fall			
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IS 153 or IS 167 or IS 187	C# Programming I or C++ Programming I or Java Programming I (choose prerequisite for IS 267 or IS 287 in semester 4) **	4	CSCI 1REQ	4
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MTH 230	Analytic Geometry and Calculus III **	5	MATH 2530	5
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Choose one: 3 CORE 2800 3

ART 109
 (ART 2000),
 ART 113
 (ART 2400),
 ART 115
 (ART 2300),
 ART 116
 (ART 2450),
 ART 165
 (ART 2600),
 ART 172
 (ART 2650),
 ART 275
 (ART 2650),
 COM 111
 (CMM 1ELE),
 ENG 110
 (ENGL 3100),
 ENG 114
 (ENGL 3070),
 ENG 202
 (ENGL 3070),
 ENG 224
 (ENGL 3060),
 ENG 225
 (ENGL 3050),
 ENG 233
 (ENGL 3080),
 MCM 134
 (CMM 2510),
 THT 108
 (THR 2510)

Choose one: 3 CORE 3600 3

ANT 101
 (ANTH 1200),
 ANT 102
 (ANTH 2200),
 COM 200
 (CMM 3300),
 CRJ 122
 (CCJ 1010),
 ECO 140
 (ECON 1900),
 ECO 151
 (ECON
 1ELE*), ECO
 152 (ECON
 1ELE*),
 GEG 101
 (SOC 1180),
 MCM 101
 (CMM 2400),
 PSC 101
 (POLS 1100),
 PSC 201
 (POLS 1600),
 PSY 200
 (PSY 1010),
 SOC 204
 (SOC 3430)

		Credits	15	15
Spring				
IS 267 or IS 287	C++ Programming II or Java Programming II **	3	CSCI 1300	3
MTH 215	Linear Algebra **	3	MATH 3110	3
	Core 42 Elective (if needed)	3	Elective	3
	Natural Sciences Course	3-5	Elective	3-5
	Social & Behavioral Sciences Course	3	Elective	3
		Credits	15-17	15-17
		St. Louis Community College Total Credits	61	61

Note: This program plan is structured for a Fall semester start at SLU. Students interested in starting the Spring semester should contact SLU to explore this option.

Note: SLU strongly recommends earning a B or higher in all MTH and IS courses. Students that earn a B- or lower in these courses often struggle in higher level MATH/CSCI/DATA courses at SLU.

**This course must be passed with a grade of "C" or higher. SLU must review this course if it is transferred from another institution or testing service.

* ECO 151 (ECON 1ELE) and ECO 151 (ECON 1ELE) must be completed to transfer credit for ECON 1900 which fulfills SLU's CORE 3600 requirement.

Saint Louis University Courses

Course	Title	Credits
Year Three		
Fall		
CORE 1000	Ignite First Year Seminar	2,3
CORE 1500	Cura Personalis 1: Self in Community	1
CORE 1600	Ultimate Questions: Theology	3
CSCI 2100	Data Structures	4
MATH 1660	Discrete Mathematics	3
General Elective		3
Credits		16-17
Spring		
CORE 2500	Cura Personalis 2: Self in Contemplation	0
CSCI 4710	Databases	3
DATA 1800	Data Science Practicum I	1
STAT 3850	Foundation of Statistics	3
General Elective or CORE Requirement		3

Equity and Global Identities: Dignity, Ethics, and a Just Society

Equity and Global Identities: Global Interdependence

Equity and Global Identities: Identities in Context

Major Electives 6

Credits 16

Year Four

Fall

DATA 2800 Data Science Practicum II 1

CORE 3500 Cura Personalis 3: Self in the World 1

CSCI 4750 Machine Learning 3

DATA 4961 Capstone Project I 2

STAT 4880 Bayesian Statistics and Statistical Computing 3

General Elective or CORE Requirement 3

Eloquentia Perfecta: Writing Intensive (EP4)

Major Elective 3

Credits 16

Spring

CORE 4000 Collaborative Inquiry 2-3

CORE 4500 Reflection-in-Action 0

DATA 4962 Capstone Project II 2

STAT 4870 Applied Regression 3

Major Elective 3

Major Elective 3

Credits 13-14

Total Credits 61-63

Contact Us

For additional questions, please contact:

Transfer Admission

314-977-2500

transfer@slu.edu