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 2023-2024 academic catalog at St. Louis Community College and the 2024-2025 academic catalog at SLU. Students must complete all courses and transfer to SLU by the Fall 2027 semester.

Students who plan to transfer to SLU after Fall 2027 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 at 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 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 that 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 from BIO 140 (BIOL 1240 and BIOL 1245), BIO 151 (BIOL 1ELE), CHM 101 (CHEM 1080 and CHEM 1085), CHM 105 (CHEM 1110 and CHEM 1115), DIT 115 (DIET 2080), GEO 100 (EAS 1430), GEO 111 (EAS 1430 and EAS 1435), GEO 113 (EAS 1450), PSI 101 (PHYS 1010), PSI 111 (PHYS 1130), PSI 123 (EAS 1420)	3-5	CORE 3800	3-5

	Choose from ENG 204 (ENGL 3270), ENG 211 (ENGL 3260), HST 115 (HIST 1110), HST 128 (HIST 1120), MUS 113 (MUSC 1150), MUS 114 (MUSC 1000), MUS 128 (MUSC 1000), THT 101 (THR 1500)	3	CORE 3400	3
	Credits	14-16		14-16
		Year Two		
		Fall		
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) **	3	CSCI 1REQ	3
MTH 215	Linear Algebra (strongly recommended before transferring to SLU) **	0-3	MATH 3110	0-3
MTH 230	Analytic Geometry and Calculus III **	5	MATH 2530	5
	Choose 3 credit hours from ART 109 (ART 2000), ART 113 (ART 2400), ART 115 (ART 2300), ART 116 (ART 2450), ART 165 (ART 2600), ART 172 (ART 2650), ENG 110 (ENGL 3100), ENG 114 (ENGL 3070), ENG 224 (ENGL 3060), ENG 225 (ENGL 3050), ENG 233 (ENGL 3080), THT 108 (THR 2510)	3	CORE 2800	3
	Choose from ANT 101 (ANTH 1200), ANT 102 (ANTH 2200), ECO 140 (ECON 1900), ECO 151 (ECON 1ELE*), ECO 152 (ECON 1ELE*), GEG 101 (SOC 1180), MCM 101 (CMM 2400), PSC 201 (POLS 1600), PSY 200 (PSY 1010), SOC 204 (SOC 3430)	3	CORE 3600	3
	Credits	15-18		15-18
		Spring		
IS 267 or IS 287	C++ Programming II or Java Programming II **	3	CSCI 1300	3
MTH 212	Discrete Mathematics **	3	MATH 1660	3

	Core 42 Elective (if needed to get to 42 credits)	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	61-66		61-66

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
General Elective		3
MATH 3110 or MATH 3120	Linear Algebra for Engineers (if not transferred in) or Introduction to Linear Algebra	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
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
STAT 3850	Foundation of Statistics	3
	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
General Elective or CORE Requirement		3
Eloquentia Perfecta: Writing Intensive (EP4)		
Major Elective		3
STAT 4880	Bayesian Statistics and Statistical Computing	3
	Credits	**16**
Spring		
CORE 4000	Collaborative Inquiry	0-3
CORE 4500	Reflection-in-Action	0
DATA 4962	Capstone Project II	2
General Elective		3
Major Elective		3
Major Elective		3
STAT 4870	Applied Regression	3
	Credits	**14-17**
	Total Credits	**62-66**

Contact Us

For additional questions please contact:

Transfer Admission
314-977-2500
transfer@slu.edu