

GENERAL STEM TRANSFER STUDIES: AS

Associate in Science | 60 credit hours minimum

Area of Interest: Science, Technology, Engineering, and Math (STEM)

Program Website (<https://stlcc.edu/pathways/general-stem-transfer-studies/>)

Academic Advising (<https://stlcc.edu/admissions/advising/>)

Program Description:

St. Louis Community College's General STEM Transfer Studies, Associate in Science degree program is designed for students who plan to transfer to a four-year college or university and major in one of the traditional STEM areas (science, technology, engineering, math) with a heavy emphasis on undergraduate mathematics or science.

Students should become familiar with the requirements at the institution to which they plan to transfer and select their transfer courses carefully. Many bachelor's degree programs have very specific requirements for the freshman and sophomore years, and it is the transferring student's responsibility to ensure that courses will apply to the bachelor's degree. Students are encouraged to talk to an advisor to assist in planning a program of study or if they are considering a change in academic plans. Information about the requirements of many transfer institutions is available at stlcc.edu/transfer.

Locations. This program is offered in its entirety at Florissant Valley, Forest Park, Meramec, and Wildwood.

Cost of Attendance. For more information on cost of attendance visit MoSCORES (<https://scorecard.mo.gov/Search/>).

Program Career and Salary Information. Pursuant to Missouri HB 1606 (2018), information regarding the number of credit hours, program length, employment rate, wage data, and graduates employed in careers related to their program of study at St. Louis Community College can be found at the following URL: <https://scorecard.mo.gov/scorecard/> (https://www.google.com/url?q=https://scorecard.mo.gov/scorecard/&sa=D&ust=1555536894857000&usg=AFQjCNG1xf3E_j2lO96zEytILO-s5xaJCQ). Search using School / Program "St. Louis Community College" and choose the degree or credential type of interest.

The following limitations to the data apply: Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

Interested in this program? Start the enrollment process by visiting the **Apply to STLCC** (<https://www.stlcc.edu/admissions/apply-to-stlcc/>) page.

At the completion of the program, students are expected to:

1. demonstrate analytic thinking and problem solving skills in mathematics and the sciences.
2. communicate mathematically using verbal, graphical, numerical, and symbolic representations.

3. demonstrate a general knowledge of biological, chemical, computer science, physical, mathematics, or engineering disciplines.
4. apply quantitative methods to science, engineering, or computer science.
5. use technology in mathematical and scientific problem solving.

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully complete a civics examination. **Information on who is eligible for a waiver can be found on the STLCC website** (<https://stlcc.edu/programs-academics/missouri-civics-exam.aspx>).

Program of Study

Code	Title	Credit Hours
General Education		
MTH 210	Analytic Geometry and Calculus I	5
ENG 101	College Composition I (MOTR ENGL 100)	3
or ENG 102	College Composition II (MOTR ENGL 200)	
or ENG 103	Report Writing (MOTR ENGL 110)	
MOTR Natural Science	Students must complete seven (7) credit hours.	7
XXX xxx	Social & Behavioral Sciences: Civics Requirement	3
Electives		
Electives in science, technology, engineering, and math are recommended to fulfill requirements of a 4-yr program. Elective credits within the General STEM AS degree allow the student to begin working toward an academic major by selecting courses within in a STEM discipline or to explore various STEM subjects at an introductory level. Students should consult their transfer institution and/or work with an advisor for best course options.		42
Total Credit Hours		60

Focus Areas

These focus areas are intended for students who plan to transfer to the University of Missouri - St. Louis (UMSL) or another school, after completion of their associate's degree at St. Louis Community College. Your official degree that you will be pursuing at St. Louis Community College within these focus areas is the Associate in Science - General STEM Transfer Studies.

Biology

Focus Area: Biology (<http://catalog.stlcc.edu/programs/general-stem-transfer-studies-associate-science/biology/>)

Computer Science

Focus Area: Computer Science (<http://catalog.stlcc.edu/programs/general-stem-transfer-studies-associate-science/computer-science/>)

Engineering

Focus Area: Engineering (<http://catalog.stlcc.edu/programs/general-stem-transfer-studies-associate-science/engineering/>)

Mathematics

Focus Area: Mathematics (<http://catalog.stlcc.edu/programs/general-stem-transfer-studies-associate-science/mathematics/>)