

State Fair Community College — Missouri S&T

Computer Science BS

Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

State Fair Community College

Missouri S&T

Communication Skills

Take all courses.

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|----------|------------------------|-------------|--------------|------------------------------|---|
| ENGL 101 | English Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENGL 102 | English Composition II | 3 | ENGLISH 1160 | Writing and Research | 3 |
| | | Total Hours | 6 | | |
| | | | | Total Hours | 6 |

Computer Science, Mathematics, and Science

Take all courses.

| | | | | | |
|-----------------------|---|-------------|-----------|-------------------------------|----|
| CIS 120 or CIS 155 | Programming in Python or Programming in C# | 3 | CS 1500 | Computational Problem Solving | 3 |
| MATH 130 | Calculus and Analytic Geometry I | 5 | MATH 1214 | Calculus I | 4 |
| MATH 131 | Calculus and Analytic Geometry II | 5 | MATH 1215 | Calculus II | 4 |
| | | Total Hours | 13 | | |
| | | | | Total Hours | 11 |

Engineering/Science Electives

Select up to 6 hours in engineering/science electives not already used to satisfy another degree requirement. See Approved Science and Engineering Electives at <https://cs.mst.edu/undergraduate-degree/>

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|-------------------------|---|--|---------------------------|---|---|
| MATH 132 or MATH 134 | Calculus and Analytic Geometry III (5) or Differential Equations (3) Or other math 2000-level or higher or Any statistics 4000-level or higher | 3 | MATH 2222 or MATH 3304 | Calculus III (4) or Elementary Differential Equations (3) Or other math 2000-level or higher or Any statistics 4000-level or higher Credit hours apply to degree totals as indicated for each course. | 3 |
| PHYS 235 | Engineering Statics | 3 | CIV ENG 2200 | Statics Or other course with the equivalent of a Missouri S&T engineering designation. | 3 |
| PHYS 211 | Engineering Physics I with Lab | 5 | PHYSICS 1135 | Engineering Physics I | 4 |
| PHYS 212 | Engineering Physics II with Lab | 5 | PHYSICS 2135 | Engineering Physics II | 4 |
| Physics | Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145, except as noted above. | 3 | Physics | Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145, except as noted above. | 3 |
| Science | Any biology, chemistry, geology, or environmental science. | 3 | Science | Any biology, chemistry, geology, or environmental science. | 3 |
| | | *A maximum of 6 hours applies to engineering/science elective requirements. Any additional credit hours apply to degree totals as general elective credit. | | | |
| | | Total Hours | 6 | | |
| | | | | Total Hours | 6 |

Natural Sciences General Education Requirements

Select 7 hours to include at least two specific disciplines and to include at least 1 hour of lab.

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|---|--|-------------|--|--|-----|
| CHEM 123 or BIO 112 or BIO 125 or EASC 120 | General Chemistry I with Lab (4) or Principles of Biology with Lab (4) or General Biology (4) or Intro to Astronomy (3) | 3-4 | CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 1213, 1229 or PHYSICS 1505 | General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Principles of Biology (3) and Lab (1) or Introductory Astronomy (3) Satisfies the gen ed natural science lecture/lab requirement. Lecture/lab pair must total a minimum of 4 hours. | 3-5 |
| Natural Science | Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher) | 3 | Natural Science | Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher) | 3 |
| | | Total Hours | 7 | | |
| | | | | Total Hours | 7 |

Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 12 hours to include
6 hours Humanities and Fine Arts from at least two specific disciplines and
3 hours Behavioral and Social Sciences.

*At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.

Humanities and Fine Arts

Select 6 hours from at least two specific disciplines.

| | | | | | |
|--|---|---|---|---|---|
| LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107 | British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre *Satisfies the State of Missouri government requirement. | 6 | ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150 | British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement. | 6 |
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Behavioral and Social Sciences

Select 3 hours.

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|--|---|---|---|--|---|
| HIST 108 or HIST 109* or GEOG 101 or POLS 101* or PSY 101 or ECON 102 or ECON 101 or Foreign Language | World Civilization Before 1500 or World Civilization After 1500* or World Regional Geography or American/National Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement. | 3 | HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language | Early Western Civilization or Modern Western Civilization* or World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement. | 3 |
|--|---|---|---|--|---|

Humanities, Arts, and Social Sciences

| | | | | | |
|---------|-----------------|-------------|-----------|----------------------|----|
| COM 101 | Public Speaking | 3 | SPMS 1185 | Principles of Speech | 3 |
| | | Total Hours | 12 | | |
| | | | | Total Hours | 12 |

Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

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|-----------|------------------------|---|-----------|------------------------|---|
| Electives | Maximum Free Electives | 7 | Electives | Maximum Free Electives | 7 |
|-----------|------------------------|---|-----------|------------------------|---|

Maximum credit hours to be transferred to Missouri S&T degree requirements.

68

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.
Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.
Students are not required to complete all courses on this guide before transferring to Missouri S&T.