

# Crowder 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.

### Crowder College

### Missouri S&T

#### Communication Skills

Take all courses.

|                         |   |             |                                 |  |             |   |
|-------------------------|---|-------------|---------------------------------|--|-------------|---|
| ENGL 101                | English Composition   | 3           | ENGLISH 1120                    | Exposition and Argumentation                 | 3           |   |
| ENGL 102 or<br>ENGL 203 | Advanced English Composition or<br>Technical Report Writing | 3           | ENGLISH 1160 or<br>ENGLISH 3560 | Writing and Research or<br>Technical Writing | 3           |   |
|                         |   | Total Hours | 6                               |  | Total Hours | 6 |

#### Computer Science, Mathematics, and Science

Take all courses.

|               |                           |   |               |                               |   |
|---------------|---------------------------|---|---------------|-------------------------------|---|
| CMP 111       | Intro to Computer Science | 4 | COMP SCI 1500 | Computational Problem Solving | 3 |
| MATH 150, 160 | Calculus I Part I and II  | 5 | MATH 1214     | Calculus I                    | 4 |
| MATH 201      | Calculus II               | 5 | MATH 1215     | Calculus II                   | 4 |

Total Hours

14

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/>

|                         |   |   |                           |   |   |
|-------------------------|---|---|---------------------------|---|---|
| MATH 202 or<br>MATH 210 | Calculus III (5) or<br>Differential Equations (3)<br>Or other math 2000-level or higher or<br>Any statistics 4000-level or higher | 3 | MATH 2222 or<br>MATH 3304 | Calculus III (4) or<br>Elementary Differential Equations (3)<br>Or other math 2000-level or higher or<br>Any statistics 4000-level or higher<br>Credit hours apply to degree totals as indicated for each course. | 3 |
| PHYS 250 or             | Statics<br>Or other course with the equivalent of a Missouri S&T engineering designation.   | 3 | CIV ENG 2200              | Statics<br>Or other course with the equivalent of a Missouri S&T engineering designation.   | 3 |
| PHYS 190                | General Physics I   | 5 | PHYSICS 1135              | Engineering Physics I   | 4 |
| PHYS 210                | General Physics II  | 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.

|  |  |             |  |  |             |   |
|--|--|-------------|--|--|-------------|---|
| CHEM 111 or<br>BIOL 101 or<br>PHYS 105 | General Chemistry I (5) or<br>General Biology (4) or<br>Descriptive Astronomy (4)                              | 4           | CHEM 1310, 1319 or<br>BIO SCI 1113 1219 or<br>PHYSICS 1505 | General Chemistry I (4) and Lab (1) or<br>General Biology (3) and Lab (1) or<br>Introductory Astronomy (3))<br>Satisfies the gen ed natural science lecture/lab requirement. Lecture/lab pair must total a minimum of 4 hours. | 4           |   |
| 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  
6 hours Behavioral and Social Sciences from at least two specific disciplines.

\*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.

|  |  |   |   |  |   |
|--|--|---|---|--|---|
| ENGL 240 or<br>ENGL 245 or<br>ENGL 230 or<br>ENGL 235 or<br>ENGL 222 or<br>HIST 106* or<br>HIST 107* or<br>ART 101 or<br>MUSC 101 or<br>TA 205 | British Literature I or<br>British Literature II or<br>Survey of American Literature I or<br>Survey of American Literature II or<br>World Literature I or<br>U.S. History I* or<br>U.S. History II* or<br>Art Appreciation or<br>Music Appreciation or<br>Intro to Theatre | 6 | ENGLISH 1211 or<br>ENGLISH 1212 or<br>ENGLISH 1221 or<br>ENGLISH 1222 or<br>ENGLISH 1231 or<br>HISTORY 1300* or<br>HISTORY 1310* or<br>ART 1180 or<br>MUSIC 1150 or<br>THEATRE 1190 | British Literature I: The Beginnings to 1800 or<br>British Literature II: 1800 to Present<br>American Literature: 1600 to 1865 or<br>American Literature: 1865 to Present or<br>World Literature I: Beginnings to the Renaissance or<br>American History to 1877 or<br>American History Since 1877 or<br>Art Appreciation or<br>Music Understanding and Appreciation or<br>Theatre via Video | 6 |
| *Satisfies the State of Missouri government requirement.   |  |   |   |  |   |

#### Behavioral and Social Sciences

Select 3 hours.

|   |  |   |   |  |   |
|---|--|---|---|--|---|
| HIST 101 or<br>HIST 102* or<br>GEOG 111 or<br>PLSC 103* or<br>PSYC 101 or<br>ECON 202 or<br>ECON 201 or<br>Foreign Language | Western Civilization I or<br>Western Civilization II* or<br>World Regional Geography or<br>National, State, Local Government* or<br>General Psychology or<br>Principles of Microeconomics or<br>Principles of Macroeconomics or<br>Elementary or Intermediate Foreign Language | 3 | HISTORY 1100 or<br>HISTORY 1200* or<br>HISTORY 2110 or<br>POL SCI 1200* or<br>PSYCH 1101 or<br>ECON 1100 or<br>ECON 1200 or<br>Foreign Language | Early Western Civilization or<br>Modern Western Civilization* or<br>World Regional Geography or<br>American Government* or<br>General Psychology or<br>Principles of Microeconomics or<br>Principles of Macroeconomics or<br>Elementary or Intermediate Foreign Language | 3 |
| *Satisfies the State of Missouri government requirement.  |  |   |   |  |   |

#### Humanities, Arts, and Social Sciences

SPMS 1185 is required.

|          |                        |             |           |                      |             |    |
|----------|------------------------|-------------|-----------|----------------------|-------------|----|
| COMM 104 | Fundamentals of Speech | 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.

|           |                        |   |           |                        |   |
|-----------|------------------------|---|-----------|------------------------|---|
| 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.

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This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025.

Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.