## St. Louis Community College - Missouri S\&T

Computer Science BS
Transfer Guide Effective as of Fall 2024
St. Louis Community College


| MTH 230 or MTH 240 | Analytical Geometry and Calculus III or Differential Equations Or other math 2000-level or higher or Any statistics 4000-level or higher | 5 | MATH 2222 or 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> Satisfies the 3 -hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course. | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ESC 203 or ESC 204 or ESC 205 or ESC 207 or ESC 200 | Engineering Statics or <br> Engineering Dynamics or <br> Mechanics of Materials or <br> Engineering Thermodynamics or <br> Engineering Circuits I <br> Or other course with the equivalent of a Missouri S\&T engineering designation. |  | CIV ENG 2200 or MECH ENG 2350 or CIV ENG 2210 or MECH ENG 2519 or ELEC ENG 2800 | Statics or <br> Engineering Mechanics-Dynamics (2) or <br> Mechanics of Materials or <br> Thermodynamics or <br> Electrical Circuits <br> Or other course with the equivalent of a Missouri S\&T engineering designation. | 3 |
| Science | Any biology, chemistry, geology, or environmental science. | 3 | Science | Any biology, chemistry, geology, or environmental science. | 3 |
| Physics | Any physics excluding the equivalent of S\&T PHYS 2111, 2119, 2135, and 2145. | 3 | Physics | Any physics excluding the equivalent of S\&T PHYS 2111, 2119, 2135, and 2145. | 3 |
| *A maximum of 6 hours applies to engineering/science elective requirements. Any additional credit hours apply to degree totals as general elective credit. |  |  |  |  |  |
| Social SciencesSelect 9 credit hours to include one course to satisfy state requirement. |  |  |  |  |  |
| HST 128 or HST 101 or HST 102 or PSC 101 | Western Civilization 1500 to Present or US History to 1865 or US History 1865 to Present or Intro to American Politics At least one of these courses is required to satisfy state requirement. | 3 | HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200 | Modern Western Civilization or <br> American History to 1877 or <br> American History Since 1877 or <br> American Government <br> At least one of these courses is required to satisfy state requirement. | 3 |
| $\begin{aligned} & \text { ECO } 152 \text { or } \\ & \text { ECO } 151 \\ & \text { PSY } 200 \end{aligned}$ | Principles of Microeconomics or Principles of Macroeconomics or upper-level economics General Psychology (or upper-level psychology) | 3 3 | ECON 1100 or ECON 1200 PSYCH 1101 | Principles of Microeconomics or Principles of Macroeconomics or upper-level economics General Psychology or upper-level psychology | 3 3 |
| MGT 204 or ACC 110 or BLW 101 | Business Organization \& Management (3) or Financial Accounting I (4) or Business Law I (3) <br> or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 | BUS 1110 or BUS 1210 or BUS 2910 | Intro to Management and Entrepreneurship or Financial Accounting or Business Law <br> or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 |
| Social Science | Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 | Social Science | Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ | 3 |
|  | Total Hours | 9 |  | Total Hours | 9 |
| Humanities and Ethics <br> Select one humanities and one upper-level ethics course. |  |  |  |  |  |
| PHL 112 | Business Ethics or other upper-level ethics elective | 3 | PHILOS 3235 | Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. | 3 |
| PHL 101 | Intro to Philosophy | 3 | PHILOS 1105 | Self and World: Intro to Philosophy | 3 |
| MCM 130 | Film Appreciation | 3 | ART 1185 | Study of Film | 3 |
| MUS 114 | Music Appreciation | 3 | MUS 1150 | Music Understanding and Appreciation | 3 |
| THT 101 | Intro to Theatre | 3 | THEATRE 1190 | Theatre via Video | 3 |
| ENG 211 or ENG 204 or ENG 231 or ENG 216 or ENG 217 | British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers | 3 | ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or | British Literature II: 1800 to Present or <br> American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature | 3 |
| Foreign Language | Any foreign language | 3 | Foreign Language | Any foreign language | 3 |
| Humanities | Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/ | 3 | Humanities | Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/ | 3 |
|  | Total Hours | 6 |  | Total Hours | 6 |
| Additional Degree Requirements <br> Select additional courses to total up to the maximum transfer credit hours shown below. |  |  |  |  |  |
| Electives | Maximum Free Electives | 8 | Electives | Maximum Free Electives | 8 |
| Maximum credit hours to be transferred to Missouri S\&T degree requirements. <br> Missouri S\&T residency requirements: The last 60 hours of any Missouri S\&T degree must be completed at Missouri S\&T. <br> 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. <br> Students are not required to complete all courses on this guide before transferring to Missouri S\&T. |  |  |  |  |  |

