

Ozarks Technical Community College — Missouri S&T

Biochemistry BS

Transfer Guide Effective as of Fall 2026

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

Ozarks Technical Community College

Missouri S&T

Communication Skills

Take all courses.

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|-----------------------|--------------------------------------|---|---------------------------------|--|---|
| ENG 101 | Composition I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENG 102 or COM 105 | Composition II or Public Speaking | 3 | ENGLISH 1160 or ENGLISH 1185 | Writing and Research or Principles of Speech <small>Applies to degree as Gen Ed communication requirement.</small> | 3 |
| Total Hours | | | | | 6 |

Mathematics and Science

Take all courses.

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|-----------------------|---|---|----------------------------------|---|----|
| MTH 140 | Analytical Geometry/Calculus I | 5 | MATH 1214 | Calculus I | 4 |
| MTH 141 | Analytical Geometry/Calculus II | 5 | MATH 1215 | Calculus II | 4 |
| CHM 160, 161 | General Chemistry I and Lab | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| CHM 170 | General Chemistry II | 4 | CHEM 1320 | General Chemistry II | 3 |
| PHS 120 or PHY 220 | General Physics I (4) or Physics for Engineers and Scientists I (5) | 4 | PHYSICS 1145 or PHYSICS 1135* | College Physics I or Engineering Physics I* <small>*Will be substituted for PHYSICS 1145.</small> | 4 |
| PHS 130 or PHY 222 | General Physics 2 (4) or Physics for Engineers and Scientists II (5) | 4 | PHYSICS 2145 or PHYSICS 2135* | College Physics II or Engineering Physics II* <small>*Will be substituted for PHYSICS 2145.</small> | 4 |
| Total Hours | | | | | 27 |

Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 15 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.

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|--|---|---|--|---|---|
| ENG 240 or ENG 241 or ENG 270 or ENG 271 or ENG 260 or HST 120* or HST 130* or ART 100 or MUS 105 or THR 101 or Literature | Survey of English Literature I or Survey of English Literature II or Survey of American Literature I or Survey of American Literature II or Survey of World Literature I or US History I: to 1865* or US History II: 1865-Present* or Art and Experience or Western Music Appreciation or Intro to Theater or Any literature with prerequisite of no more than English Composition I. <small>*Satisfies the State of Missouri government requirement.</small> | 6 | ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature | British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. <small>*Satisfies the State of Missouri government requirement.</small> | 6 |
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Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines.

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|--|---|---|---|---|---|
| HST 105 or HST 106* or GRY 101 or PHL 101 or PLS 101* or PSY 110 or ECO 275 or ECO 270 or Foreign Language | Ancient and Medieval World History or Modern World History* or World Geography or Intro to Philosophy or American Government and Politics* or Intro to Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <small>*Satisfies the State of Missouri government requirement.</small> | 6 | HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHIL 1105 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 Self and World: Intro to Philosophy or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <small>*Satisfies the State of Missouri government requirement.</small> | 6 |
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Humanities, Arts, and Social Sciences

Select 3 hours.

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|---------------|---|---|---------------|---|---|
| HASS Elective | Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language. | 3 | HASS Elective | Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language. | 3 |
|---------------|---|---|---------------|---|---|

Total HASS Hours 15

Total HASS Hours 15

Additional Degree Requirements

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

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|---------|----------------------|---|---------------------|--|---|
| BIO 250 | Genetics | 4 | BIO SCI 2223 | General Genetics | 3 |
| CHM 242 | Organic Chemistry I | 5 | CHEM 2210, 2219 | Organic Chemistry I and Lab | 4 |
| CHM 243 | Organic Chemistry II | 5 | CHEM 2220, 2229 | Organic Chemistry II and Lab | 4 |
| CSC 140 | C++ Programming | 3 | COMP SCI 1971, 1981 | Intro to Programming Methodology and Lab* <small>*Will be substituted for COMP SCI 1973, 1983..</small> | 3 |

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

60

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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