

# East Central College — Missouri S&T

## Biological Sciences BA Transfer Guide

Effective as of Fall 2017

### East Central College

### Missouri S&T

#### Communication Skills (Take all courses)

|                    |  |    |                    |  |    |
|--------------------|--|----|--------------------|--|----|
| ENG 101            | English Composition I  | 3  | ENGLISH 1120       | Exposition and Argumentation   | 3  |
| ENG 102            | English Composition II   | 3  | ENGLISH 1160       | Writing and Research   | 3  |
| COM 110            | Public Speaking  | 3  | SPMS 1185          | Principles of Speech<br>(Not required for S&T degree. Transfers as a free elective)                  | 3  |
|                    | Foreign Language<br>(3 semesters of same language OR 2 semesters of each of two different languages) | 12 |                    | Foreign Language<br>(3 semesters of same language OR 2 semesters of each of two different languages) | 12 |
| <b>Total Hours</b> |  |    | <b>Total Hours</b> |  |    |
| 21                 |  |    | 21                 |  |    |

#### Math and Sciences (Take all courses)

|                    |  |   |                        |   |   |
|--------------------|--|---|------------------------|---|---|
| MTH 183            | College Algebra  | 3 | MATH 1140              | College Algebra   | 3 |
| CHM 111            | General Chemistry I and Lab                                  | 5 | CHEM 1310, 1319        | General Chemistry I and Lab                             | 5 |
| CHM 112            | General Chemistry II and Lab                                 | 5 | CHEM 1320              | General Chemistry II                                    | 3 |
| CHM 205            | Organic Chemistry I and Lab                                  | 5 | CHEM 2210              | Organic Chemistry I                                     | 4 |
| CHM 206            | Organic Chemistry II and Lab<br>(Almost any computer class.) | 5 | CHEM 2220              | Organic Chemistry II                                    | 4 |
|                    |  |   | Statistics or Computer | Statistics Elective (preferred) or<br>Computer Elective | 3 |
| <b>Total Hours</b> |  |   | <b>Total Hours</b>     |   |   |
| 23                 |  |   | 22                     |   |   |

#### Humanities (Select 3 hours)

|                    |  |   |                    |  |   |
|--------------------|--|---|--------------------|--|---|
| ART 101            | Art Appreciation   | 3 | ART 1180           | Art Appreciation   | 3 |
| MUS 101            | Music Appreciation   | 3 | MUSIC 1150         | Music Understanding and Appreciation   | 3 |
| THE 101            | Theatre Appreciation   | 3 | THEATRE 1190       | Theatre Appreciation   | 3 |
| ENG 210            | Survey British Lit: Beginnings to 1784                                   | 3 | ENGLISH 1211       | British Literature I: The Beginnings to 1800                                     | 3 |
| ENG 221            | Survey American Lit: Colonial to 1865                                    | 3 | ENGLISH 1221       | American Literature: 1600 to 1865  | 3 |
| ENG 222            | Survey American Lit: 1865 to Present                                     | 3 | ENGLISH 1222       | American Literature: 1865 to Present   | 3 |
| PHL 101            | Introduction to Philosophy<br><i>See your advisor for course options</i> | 3 | PHILOS 1105        | Introduction to Philosophy<br>Other fine art, literature, or philosophy elective | 3 |
| <b>Total Hours</b> |  |   | <b>Total Hours</b> |  |   |
| 3                  |  |   | 3                  |  |   |

#### Social Sciences (Select 6 hours)

|                    |  |   |                    |   |   |
|--------------------|--|---|--------------------|---|---|
| ECO 102 or         | Principles of Microeconomics or            | 3 | ECON 1100 or       | Principles of Microeconomics or   | 3 |
| ECO 101            | Principles of Macroeconomics               | 3 | ECON 1200          | Principles of Macroeconomics  | 3 |
| HST 101            | US History to 1865                         | 3 | HISTORY 1300       | American History to 1877  | 3 |
| HST 102            | US History 1865-1945                       | 3 | HISTORY 1310       | American History since 1877   | 3 |
| PSC 102            | US Government: National and State          | 3 | POL SCI 1200       | American Government   | 3 |
| PSY 101            | General Psychology                         | 3 | PSYCH 1101         | General Psychology  | 3 |
|                    | <i>See your advisor for course options</i> |   |                    | Other history, economics, political science,<br>psychology, or sociology. |   |
| <b>Total Hours</b> |  |   | <b>Total Hours</b> |   |   |
| 6                  |  |   | 6                  |   |   |

#### Additional Degree Requirements (Select up to 5 hours)

|                    |                                  |   |   |   |   |
|--------------------|----------------------------------|---|---|---|---|
| BIO 121            | Principles of Biology and Lab    | 5 | BIO SCI 1213, 1219                      | Principles of Biology and Lab                       | 5 |
| BIO 122            | Principles of Biology II and Lab | 5 | BIO SCI 1223, 1229 or<br>Gen Biology II | Biodiversity and Lab or<br>Principles of Biology II | 4 |
| BIO 110            | Ecology                          | 3 | BIO SCI 2263                            | Ecology   | 3 |
| CIV 201            | European Civilization I          | 3 | HISTORY 1100                            | Early Western Civilization                          | 3 |
| CIV 202            | European Civilization II         | 3 | HISTORY 1200                            | Modern Western Civilization                         | 3 |
| <b>Total Hours</b> |                                  |   | <b>Total Hours</b>                      |   |   |
| 5                  |                                  |   | 5                                       |   |   |

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