ASSOCIATE IN SCIENCE
TO A
BACHELOR OF SCIENCE IN SECONDARY EDUCATION:
CONCENTRATION IN MATHEMATICS

UNIVERSITY OF MISSOURI – ST. LOUIS &
SOUTHWESTERN ILLINOIS COLLEGE
TRANSFER GUIDE

This Guide is intended for the use of students who plan on transferring from Southwestern Illinois College (SWIC) with a completed Associate in Science to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Secondary Education: Concentration in Mathematics with Missouri Certification to teach grades 9th through 12th.

For more information on UMSL’s Bachelor of Science in Secondary Education: Concentration in Mathematics, please visit UMSL’s College of Education on the web.

The following are the requirements of the SWIC Associate in Science degree program as they are recommended for students intending to continue on into UMSL’s Bachelor of Science in Secondary Education with a Concentration in Mathematics. Completing these requirements as they are recommended here will maximize the transferability of a student’s coursework toward their UMSL Bachelors degree. Further details of this Associates degree program, as well as comprehensive lists of courses that satisfy each General Education component, may be found within the SWIC course catalog or may be obtained through a SWIC advisor.

This guide is intended for use under advisement of a SWIC Academic Advisor or UMSL Transfer Specialist and is not considered to be substitution of such advisement.

Communications 9 Hours
☐ ENG 101 Rhetoric & Composition I (3)
☐ ENG 102 Rhetoric & Composition II (3)
☐ SPCH 151 Fundamentals of Public Speaking (3)

General Humanities 3 Hours
☐ Complete 1 course in General Humanities: __________________________

Humanities - Fine Arts 3 Hours
☐ Complete 1 course in Humanities - Fine Arts: __________________________

Additional General Humanities/Fine Arts 3 Hours
☐ Complete 1 additional course in General Humanities or Fine Arts: __________________________

Social Science 3 Hours
☐ ECON 201 Principles of Economics I (Macro) (3)

Behavioral Science 3 Hours
☐ PSYC 151 General Psychology (3)

Additional Social Science/Behavioral Science 3 Hours
☐ ECON 202 Principles of Economics I (Micro) (3)

Mathematics 5 Hours
☐ MATH 203 Analytic Geometry & Calculus I (5)

The information in this Transfer Guide is in accordance with the published 2015-2016 Course Catalogs of both UMSL and SWIC.
# Associate in Science
## to a Bachelor of Science in Secondary Education:
### Concentration in Mathematics

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td><strong>Life Science</strong></td>
<td>4</td>
<td>BIOL 108 General Ecology (4)</td>
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<tr>
<td><strong>Physical Science</strong></td>
<td>4-5</td>
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<tr>
<td>Complete 1 of the following courses:</td>
<td></td>
<td>CHEM 105 General Chemistry I (5)</td>
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<td>PHYS 204 Physics – Mechanics (4)</td>
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<tr>
<td><strong>Additional Math or Science</strong></td>
<td>5</td>
<td>MATH 204 Analytic Geometry &amp; Calculus II (5)</td>
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<tr>
<td><strong>Human Well-Being</strong></td>
<td>2</td>
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<tr>
<td>Complete 1 course in Human Well-Being:</td>
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<tr>
<td><strong>Electives</strong></td>
<td>16-17</td>
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<tr>
<td>A student must complete enough Elective Coursework to reach 64 Total Hours:</td>
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<tr>
<td>ED 252 Educational Psychology (3)</td>
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<td>ED 255 Introduction to Education (3)</td>
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<td>MATH 112 College Algebra (4)</td>
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<td>MATH 114 Trigonometry (3)</td>
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<td>Complete 1 of the following courses:</td>
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<td>CIS 250 C++ Programming I (3)</td>
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<td>MATH 170 Computer Science I – C++ (4)</td>
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<td>MATH 210 Computer Programming for Engineers (3)</td>
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**UMSL Teacher Education Program Requirements**
- A Cumulative College GPA of 2.75 or higher
- An Education GPA of 3.0 or higher on all ED Courses
- Complete the Missouri Educator Profile (MEP) within the first year of their Associates degree. Contact the UMSL College of Education at (314) 516-5937 or oasis@umsl.edu for assistance.
- Achieve a score of 220 or higher on the following five sections of the MoGEA, Missouri General Education Assessment (updated as of December of 2015):
  - English
  - Mathematics
  - Science
  - Social Studies
  - Writing
- Students must also be able to pass the Family Care Safety Registry background check and a TB Test to enter the UMSL Teacher Education Program.

For any questions regarding this guide please contact the UMSL Office of Transfer Services at (314) 516-5162.

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