This Guide is intended for the use of students who plan on transferring from Mineral Area College (MAC) with a completed Associate in Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Mathematics.

For more information on UMSL’s Bachelor of Science in Mathematics, please visit our online Course Catalog.

The following are the requirements of the MAC Associate in Arts degree program as they are recommended for students intending to continue on into UMSL’s Bachelor of Science 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 MAC course catalog or may be obtained through a MAC advisor.

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

GENERAL EDUCATION

English 9 Hours
- ENG 1330 English Composition I (3)
- ENG 1340 English Composition II (3)
- Complete 1 of the Following Courses:
  - ENG 1440 Public Speaking (3)
  - ENG 1670 Interpersonal Communication (3)

Humanities 9 Hours
- Complete 1 of the Following Courses to satisfy both MAC’s and UMSL’s Cultural Diversity Requirements:
  - ENG 2500 Multicultural Literature (3)
  - PHI 1410 Comparative Religion (3)
  - SOC 1540 Introduction to Cultural Anthropology (3)
- Complete 2 additional Courses in the Humanities from at least 2 Humanities Disciplines:
  - Humanities Course: __________________________
  - Humanities Course: __________________________

History & Political Science 6 Hours
- POS 1180 American Political Systems (3)
- Complete 1 of the Following Courses:
  - HIS 1230 American History I (3)
  - HIS 1240 American History II (3)

Mathematics 3 Hours
- MAT 1230 College Algebra (3)
### ASSOCIATE IN ARTS
TO A
**BACHELOR OF SCIENCE IN MATHEMATICS**

<table>
<thead>
<tr>
<th>Physical &amp; Biological Sciences</th>
<th>8 Hours</th>
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<tbody>
<tr>
<td>Complete 1 Course in the Biological Sciences:</td>
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<tr>
<td>Complete 1 of the Following Courses:</td>
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<tr>
<td>PHS 1350 General Chemistry I (5)</td>
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<td>PHS 2230 General Physics I (4)</td>
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<tr>
<th>Social &amp; Behavioral Sciences</th>
<th>3 Hours</th>
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<tr>
<td>Complete 1 of the Following Courses:</td>
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<tr>
<td>BUS 2930 Principles of Macroeconomics (3)</td>
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<td>BUS 2940 Principles of Microeconomics (3)</td>
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<thead>
<tr>
<th>Computer Information Systems</th>
<th>3 Hours</th>
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<tr>
<td>Complete 1 Computer Information Systems Course:</td>
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<tr>
<th>Physical Education</th>
<th>2 Hours</th>
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<td>Complete 1 Physical Education Course:</td>
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### ELECTIVES 20-21 Hours

A student must complete enough Elective Coursework to reach 62 Total Hours:

- MAT 1330 Trigonometry (3)
- MAT 1650 Analytic Geometry and Calculus I (5)
- MAT 2150 Analytic Geometry and Calculus II (5)

- Complete 1 of the Following Courses:
  - MAT 2250 Analytic Geometry and Calculus III (5)
  - PHS 1390 General Chemistry II (4)
  - PHS 2240 General Physics II (4)

- Complete 1 of the Following Courses:
  - BUS 2930 Principles of Macroeconomics (3)
  - BUS 2940 Principles of Microeconomics (3)
  - MAT 2330 Differential Equations (3)

Students that plan to transfer to UMSL to pursue a Bachelor of Science in Mathematics but do not wish to complete an Associates degree at MAC should focus on completing the **Highlighted Courses** above in conjunction with those outlined in the [MAC General Education Transfer Guide](#).

For questions please contact Tami Davenport at (575) 518-2324 or at davenportt@umsl.edu.

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The information in this Transfer Guide is in accordance with the published **2016/2017 Course Catalogs** of both UMSL and MAC.