This guide is intended for students who plan on transferring from Lewis & Clark Community College (LCC) with a completed Associate in Arts to the University of Missouri – St. Louis (UMSL) to pursue a Bachelor of Science in Cybersecurity with Information Systems Emphasis.

For more information on the Bachelor of Science in Cybersecurity Information Systems Emphasis, please see online course catalog.

This guide is intended to fuse under the advisement of a LCC Academic Advisor or UMSL Student Recruitment Specialist and is not considered substitution of such advisement.

The following are the requirements of the LCC Associate in Arts degree program as they are recommended for students intending to continue on into UMSL’s Bachelor of Science in Cybersecurity Information Systems Emphasis. Completing these requirements as they are recommended here will maximize the transferability of a student’s coursework toward their UMSL Bachelor’s 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 LCC course catalog or may be obtained through an LCC advisor.

**GENERAL EDUCATION**

**Communications – Written & Oral**

- **9 hours required**
  - Complete the following ENG courses with a C- grade or higher selected from the following:
    - ENGL 131 First-Year English I (3)
    - ENGL 132 First-Year English II (3)
  - Complete 1 course from the following:
    - SPCH 131 Public Speaking (3)
    - SPCH 145 Public and Private Communication (3)
    - SPCH 151 Interpersonal Communication (3)

**Mathematics**

- **3 hours required**
  - Complete the following course with a C- grade or higher:
    - MATH 131 College Algebra (4)

**Social & Behavioral Science**

- **9 hours required**
  - Must be from at least 2 different areas of study
  - A student must complete 1 course from the following to meet the civics requirement:
    - HIST 231 American Republic: Beginnings-1877 (3)
    - POLS 131 American Government (3)
    - HIST 232 American Nation: 1877-Present (3)
  - ECON 151 Principles of Macroeconomics (3)
  - ECON 152 Principles of Microeconomics (3)

**Humanities & Fine Arts**

- **9 hours required**
  - Must be from at least 2 different areas of study
  - Complete 1 of the following courses to meet UMSL’s Cultural Diversity requirement:
    - LITT 233 Litt Non-Wester Culture (3)
    - PHIL 132 Eastern Philosophy (3)
    - HUMN 231 Comparative Religion I (3)
    - ART 153 Non-Western Art (3)
  - PHIL 231 Fundamentals of Logical Reasoning (3)
  - Complete additional course in Humanities & Fine Arts (3) *cannot be another philosophy if PHIL 132 is chosen above*

The information in this Transfer Guide is in accordance with the published 2020-2021 Course Catalogs of both UMSL and LCC.
**Note**: Some courses may transfer over the 200 level which would make them exempt from being used in UMSL’s General Education Core. Please contact an UMSL recruitment specialist to determine transferability.

**Associate in Arts to a Bachelor of Science in Cybersecurity/Info Sys. Emphasis**

Life/Physical Sciences  
7 hours minimum, must include at least 1 lab class
- Select two courses: one from the life sciences group and one from the physical sciences group. In addition, one course must be a lab science course.  
*Please refer to LCC general education core list*

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<tr>
<th>Laboratory Science Courses:</th>
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<tbody>
<tr>
<td>BIOL 130 Fundamentals of Biological Sciences (4)</td>
<td>CHEM 131 Introduction to Chemistry I (4)</td>
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<tr>
<td>BIOL 131 Biology: A Contemporary Approach (4)</td>
<td>CHEM 132 Introduction to Chemistry II (4)</td>
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<td>BIOL 132 Human Biology (4)</td>
<td>CHEM 141 General Chemistry I (5)</td>
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<tr>
<td>BIOL 134 General Botany (4)</td>
<td>CHEM 142 General Chemistry II (5)</td>
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<tr>
<td>BIOL 135 General Zoology (4)</td>
<td>PHSC 130 General Physical Science (4)</td>
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<tr>
<td>BIOL 138 Field Biology (4)</td>
<td>PHYS 125 Applied Physics I (4)</td>
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<tr>
<td>BIOL 139 Applied Entomology (4)</td>
<td>PHYS 126 Applied Physics II (4)</td>
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<tr>
<td>BIOL 141 Anatomy – Physiology I (4)</td>
<td>PHYS 131 Introduction to Physics I (4)</td>
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<tr>
<td>BIOL 142 Anatomy – Physiology II (4)</td>
<td>PHYS 132 Introduction to Physics II (4)</td>
</tr>
<tr>
<td>BIOL 241 Microbiology (4)</td>
<td>PHYS 141 General Physics I (5)</td>
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<td>PHYS 142 General Physics II (5)</td>
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<th>Non Lab Sciences Courses:</th>
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<tr>
<td>BIOL 145 Natural Resources &amp; Environmental Sci (3)</td>
<td>PHSC 141 Introduction to Astronomy (3)</td>
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<tr>
<td>BIOL 162 Human Inheritance (3)</td>
<td>PHSC 145 Intro Geology &amp; Physical Geography (3)</td>
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<td>BIOL 164 Microbes and Society (3)</td>
<td>BIOL 173 Evolutionary Theory (3)</td>
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<td>BIOL 165 Ecological Principles (3)</td>
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**Required Electives for AA-General Transfer Studies (60 hours minimum)**
- Math 165 Business Calculus (3)
- MATH 145 General Education Statistics (3)
- ACCT 131 Financial Accounting (3)
- ACCT 132 Managerial Accounting (3)
- BUSN Business and Legal Environment (3)
- MKTG 131 Introduction to Marketing (3)  
*Course must be validated at UMSL. Validation for MKTG 131/MKTG 3700 is accomplished by successful completion of a Marketing course listed as 3701 or higher.*
- BUSN 131 Introduction to Modern Business (3)

**Note**: College of Business students must take a minimum of 60 credit hours of their degree at four-year, baccalaureate degree-granting institutions.

For questions about this transfer guide please call the Office of Admissions at 314-516-5451

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