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 Computer Science Emphases.

For more information on the Bachelor of Science in Cybersecurity with Computer Science 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 with an Emphasis in Computer Science. 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 of the following courses
    - 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 134 Pre-Calculus (5)

**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)
  - Complete 2 additional courses in Social & Behavioral Sciences

**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.

**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)
  - Complete 2 additional courses in Humanities & Fine Arts

**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.

The information in this Transfer Guide is in accordance with the published 2020-2021 Course Catalogs of both UMSL and LCC.
ASSOCIATE OF ARTS
TO A
BACHELOR OF SCIENCE IN CYBERSECURITY/ COMP SCI EMPHASIS

Life/Physical Sciences  
7 hours minimum, must include at least 1 lab class
☐ ☐ Complete 2 courses: one from the life sciences group and one from the physical sciences group. In addition, one course must be a lab science course. *refer to LCC general education core list

Laboratory Science Courses:
- BIOL 130 Fundamentals of Biological Sciences (4)  
- BIOL 131 Biology: A Contemporary Approach (4)  
- BIOL 132 Human Biology (4)  
- BIOL 134 General Botany (4)  
- BIOL 135 General Zoology (4)  
- BIOL 138 Field Biology (4)  
- BIOL 139 Applied Entomology (4)  
- BIOL 141 Anatomy – Physiology I (4)  
- BIOL 142 Anatomy – Physiology II (4)  
- BIOL 241 Microbiology (4)

Laboratory Science Courses:
- CHEM 131 Introduction to Chemistry I (4)  
- CHEM 132 Introduction to Chemistry II (4)  
- CHEM 141 General Chemistry I (5)  
- CHEM 142 General Chemistry II (5)  
- PHSC 130 General Physical Science (4)  
- PHYS 125 Applied Physics I (4)  
- PHYS 126 Applied Physics II (4)  
- PHYS 131 Introduction to Physics I (4)  
- PHYS 132 Introduction to Physics II (4)  
- PHYS 141 General Physics I (5)  
- PHYS 142 General Physics II (5)

Non Lab Sciences Courses:
- BIOL 145 Natural Resources & Environmental Sci (3)  
- BIOL 162 Human Inheritance (3)  
- BIOL 164 Microbes and Society (3)  
- BIOL 165 Ecological Principles (3)  
- PHSC 141 Introduction to Astronomy (3)  
- PHSC 145 Intro Geology & Physical Geography (3)  
- BIOL 173 Evolutionary Theory (3)

REQUIRED ELECTIVES FOR AA-GENERAL TRANSFER STUDIES (60 HOURS MINIMUM)
- MATH 171 Calculus and Analytic Geometry I (5) or MATH 165 Calculus for Busn & Social Sciences (4)  
- Elective (3)  
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For questions about this transfer guide please call the Office of Admissions at 314-516-5451

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