

# CYBERSECURITY, CERTIFICATE OF PROFICIENCY

course-catalog/) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

**PLEASE NOTE:** If you originally enrolled at STLCC prior to Fall 2023, you may need to view an archived catalog (<https://www.stlcc.edu/programs-academics/>)

| Code                       | Title   | Hours     | Prerequisites   | Milestones/Notes        |
|----------------------------|---|-----------|---|-------------------------|
| <b>First Year</b>          |   |           |   |                         |
| <b>Fall</b>                |   |           |   |                         |
| IS 153<br>or 187<br>or 166 | C# Programming I<br>or Java Programming I<br>or C# and Java Programming I | 4         | Reading Proficiency   |                         |
| IS 229                     | Unix/Linux I  | 3         | Reading Proficiency   |                         |
| IT 100                     | Introduction to Cybersecurity   | 1         | Reading Proficiency   |                         |
| IS 165                     | Computer Applications-Microsoft Project                                   | 1         | Reading Proficiency   | Offered Online Only     |
| IS 280                     | Python  | 3         | Reading Proficiency   |                         |
|                            | <b>Credit Hours</b>   | <b>12</b> |   |                         |
| <b>Spring</b>              |   |           |   |                         |
| IS 237                     | Fundamentals of Information Assurance/Security - CompTIA Security +       | 3         | IT 102 or IS 229 with a minimum grade of "C" and Reading Proficiency  |                         |
| IT 101                     | Cisco Networking Academy I: Introduction to Networks                      | 5         | Reading Proficiency   |                         |
| IS 225                     | Database Management   | 4         | Reading Proficiency   |                         |
|                            | <b>Credit Hours</b>   | <b>12</b> |   |                         |
| <b>Second Year</b>         |   |           |   |                         |
| <b>Fall</b>                |   |           |   |                         |
| IS 264                     | Unix/Linux II   | 3         | IS 229 with a minimum grade of "C" and Reading Proficiency            | Offered Fall and Spring |
| IT 212                     | Ethical Hacking   | 3         | IS 229 and IS 237 with minimum grades of "C", and Reading Proficiency | Offered in Fall only    |
| IT 214                     | Systems Security Engineering  | 3         | IS 237 with a minimum grade of "C" and Reading Proficiency            | Offered in Fall only    |
| IT 234                     | Principles of Incident Response and Disaster Recovery                     | 3         | IS 237 with a minimum grade of "C" and Reading Proficiency            | Offered in Fall only    |
|                            | <b>Credit Hours</b>   | <b>12</b> |   |                         |
| <b>Spring</b>              |   |           |   |                         |
| IT 216                     | Digital Forensics   | 3         | IS 229 and IS 237 with minimum grades of "C" and Reading Proficiency  | Offered in Spring only  |
| IT 120                     | Enterprise Security Management  | 3         | IS 237 with a minimum grade of "C" and Reading Proficiency            | Offered in Spring only  |

|        |                           |           |   |                        |
|--------|---------------------------|-----------|---|------------------------|
| IT 121 | Secure E-Commerce         | 3         | IS 229 and IS 237, both with a minimum grade of "C" and Reading Proficiency | Offered in Spring only |
|        | <b>Credit Hours</b>       | <b>9</b>  |   |                        |
|        | <b>Total Credit Hours</b> | <b>45</b> |   |                        |

\*Click on the hyperlinked course number to view additional information about the course.

\*\*Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

\*\*\* It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice. Maximize your transfer credits/classes by meeting with an academic advisor.