

Pathways at a Glance

Schools should refer to the Kentucky Department of Education's approved Programs of Study (POS) for pathway completion requirements.

Computer Programming

<i>Introduction to Programming</i>	110201
Cybersecurity I	110230
<i>CIT 105 -Computer Literacy</i>	110110
<i>CIT 120 - Computational Thinking</i>	110251
<i>CIT 144 - Python I</i>	110220
CIT 149 - Java I	110221
<i>*Introduction to Artificial Intelligence (Aligned to KY POS course Project-Based Programming)</i>	110226

Data Science

<i>Data Science Principles</i>	110201
<i>CIT 105 -Computer Literacy</i>	110110
<i>**CIT 170 - Introduction to Database Design</i>	110211
<i>CIT 120 - Computational Thinking</i>	110251
CIT 144 - Python I	110220
<i>*Introduction to Programming</i>	110201
<i>*Introduction to Artificial Intelligence (Aligned to KY POS course Project-Based Programming)</i>	110226

Network Administration

<i>CIT 105 -Computer Literacy</i>	110110
<i>CIT 111 - Computer Hardware & Software Maintenance</i>	110101
<i>CIT 120 - Computational Thinking</i>	110251
<i>CIT 160 - Introduction to Network Concepts</i>	110901
<i>*Introduction to Artificial Intelligence (Aligned to KY POS course Project-Based Programming)</i>	110226
<i>*Cybersecurity I</i>	110230

Network Security

Cybersecurity	110230
<i>CIT 105 -Computer Literacy</i>	110110
<i>CIT 111 - Computer Hardware and Software Maintenance</i>	110101
<i>CIT 160 - Introduction to Network Concepts</i>	110901
<i>CIT 180 - Security Foundations</i>	110912
<i>*Introduction to Artificial Intelligence (Aligned to KY POS course Project-Based Programming)</i>	110226

Cybersecurity

<i>Cybersecurity I</i>	110230
<i>Cybersecurity II (Cyber Science)</i>	110224
<i>CIT 105 -Computer Literacy</i>	110110
<i>CIT 160 - Introduction to Network Concepts</i>	110901
<i>CIT 180 - Security Foundations</i>	110912

* Inclusion of courses with an asterisk shown on this document in a pathway sequence require district adoption and Kentucky Department of Education (KDE) approval of a pathway modification. We Lead CS will support districts interested in pursuing pathway modifications through this process.

**Planning for course to be available in 2027-28.

Courses highlighted in green represent the WLCS-recommended courses and sequencing for the pathway.