

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

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

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

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

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

* 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.