

# Pathways at a Glance

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

Network Security CIP Code: 11.1003.00	
Cybersecurity I	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>

Network Administration CIP Code: 11.0901.01	
<i>CIT 105 -Computer Literacy</i>	<i>110110</i>
<i>CIT 111 - Computer Hardware &amp; 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>

Data Science CIP Code: 11.0802.00	
<i>Data Science Principles</i>	<i>110204</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

Computer Programming CIP Code: 11.0201.01	
<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>

Cybersecurity CIP Code: 14.0902.00	
<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>

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

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