

Developing a Local Program of Study

Career and Technical Education program of study are designed to prepare students to enter the workforce ready to pursue career opportunities in their chosen path. Students should have a seamless path to follow but have the flexibility to enter and exit the program at multiple points. Intentional planning and alignment of opportunities are considered in the development of career and technical education programs of study to ensure students develop the knowledge and skills necessary for entry into postsecondary education and training programs and/or the workforce.

In planning secondary to postsecondary programs of study, local school districts and partnering postsecondary institutions shall work together to ensure programs of study are aligned and implemented to meet the specialized needs of business and industry and meet the goals of the student's individual learning plan. Secondary and postsecondary personnel should work together to;

- Identify secondary career and technical education programs of study offered at high school
- Identify postsecondary programs of study at partnering postsecondary institution
- Determine and plan seamless alignment by identifying the secondary general education and technical courses needed for successful entry into the postsecondary program.

Secondary-Postsecondary Program of Study
Effective date:

Postsecondary Institution: Southeast Kentucky Community and Technical College

Program of Study: Web Development/Administration
Post Secondary: Computer and Information Technologies
College Credit: 60-64 credits

Secondary School: Harlan County High School

Grade	General Education Core (Ensure Minimum High School Graduation Requirements are Met)	Technical Core (Ensure you have a minimum of a 4 credit sequence of High School CTE Courses)	Diploma, Certifications(s), Certificate(s), Degree(s) (Include any Credentials Students Have the Ability to Earn when Pursuing this Program of Study)
9 th	<ul style="list-style-type: none"> • Math/Alg. I – 1 Credit • Science/Earth Science – 1 Credit • English I – 1 Credit • Social Studies/World Civ. I Credit • PE - .5 Credit • Health - .5 Credit 	<ul style="list-style-type: none"> • 060112 - Digital Literacy 	<ul style="list-style-type: none"> •
10 th	<ul style="list-style-type: none"> • Math/Geometry – 1 Credit • Science/Chemistry – 1 Credit • English II – 1 Credit • Social Studies – 1 Credit 	<ul style="list-style-type: none"> • 110801 – Web Page Development 	<ul style="list-style-type: none"> •
11 th	<ul style="list-style-type: none"> • Math/Alg II – 1 Credit • Science/Biology – 1 Credit • English III – 1 Credit • Social Studies/US History – 1 Credit 	<ul style="list-style-type: none"> • 110804 – Web Site Design and Production 	<ul style="list-style-type: none"> •
12 th	<ul style="list-style-type: none"> • Math Concepts – 1 Credit • English IV – 1 Credit • Arts & Humanities – 1 Credit 	<ul style="list-style-type: none"> • 110251 – Computational Thinking 	<ul style="list-style-type: none"> • High School Diploma • Industry Certification • End-of-Program Assessment
13-14	<ul style="list-style-type: none"> • General Education Courses Required for Certificate/Diploma/Degree 	<p>CIT 105 – Introduction to Computers (3) CIT 111 – Computer Hardware & Software (4) CIT 120 – Computational Thinking (3) CIT 170 – Database Design Fundamentals (3) CIT 180 – Security Fundamentals (3) Approved Level I Networking(4) Approved Level I Programming Language(3) CIT 293 – CIT Employability Studies (1) CIT Technical Electives (21-25) Track 1 course (3) Track 2 course (3) Track 3 course (3) Track 4 course (3) Track 6 course (3-4) Track 7 course (3-4)</p>	<p>KCTCS Web Programmer Certificate KCTCS Web Server Administrator Certificate KCTCS A+ Prep Certificate KCTCS Security Prep + AND Computer Technician Certificates KCTCS CIT Fundamentals Certificate Various KCTCS Certificates depending on Track CIT Associate in Applied Science in one CIT Track</p>

(May add grades 15 and 16)

Submitted By Secondary Partner:

Scott Smith

Postsecondary Partner:

Ken Smith

Date:

2-10-21

(Must include both signatures)