

Secondary-Postsecondary Program of Study

Effective date:

Postsecondary Institution: KCTCS (Henderson CC)
 Secondary School: Harlan County High School

Program of Study: Horticulture & Plant Science Systems
 College Credit: Degree – 60, Diploma – 40, Cert. 14

Grade	General Education Core (Ensure Minimum High School Graduation Requirements are Met)	Technical Core (Ensure you have a minimum of 4 credit sequence of High School CTE Courses)	Diploma, 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. 1 Credit • PE - .5 Credit • Health - .5 Credit 	<ul style="list-style-type: none"> • 030715 – Principles of Agriculture Science and Technology 	<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"> • 030711 - Agriscience 	<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"> • 010611 – Introduction to Greenhouse and Crop Production 	<ul style="list-style-type: none"> •

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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"> 010641 – Greenhouse Technology <p>KCTCS: AGR 155 Greenhouse Production</p>	<ul style="list-style-type: none"> High School Diploma Industry Certification End-of-Program Assessment <p>Students can earn up to 6 credit hours of articulated credit upon passing the End of Program Assessment (formerly KOSSA) and then enrolling in Henderson Community College Agriculture Department. The HCC Ag program is available online and students do not have to travel. Credit can be earned for:</p> <ul style="list-style-type: none"> AGR 150: Ag Power AGR 160: Horticulture Science AGR 240: Animal Science AGR 250: Introduction to Plants/Crops AGR 260: Sustainable Agriculture AGR 265: Ag Business and Records
13-14	<ul style="list-style-type: none"> ENG 101 – Writing I (3) ENG 102 – Writing II (3) COM 181 – Basic Public Speaking (3) MAT 110 – Applied Mathematics or higher (3) AGR 101 – The Economics of Food and Agriculture (3) Heritage/Humanities (3) BIO 112/113 – Intro to Biology & Lab (4) OR BIO 114/115 – Biology I & Lab (4) OR BIO 116/117 – Biology II & Lab (4) OR BIO 143 – Zoology & Lab (4) OR BIO 141 – Botany & Lab (4) OR BIO 150/151 – Principles of Biology I & Lab (5) CHE 130/135 – Intro General & Biological Chemistry & Lab (4) OR CHE 140/145 – Intro to General Chemistry & Lab (4) OR CHE 170/175 – General College Chemistry I & Lab (4) Digital Literacy (3) 	<ul style="list-style-type: none"> AGR 125 – Intro to Fertilizer & Soils (3) AGR 130 – Field Application in Agriculture (2) AGR 140 – Issues in Agriculture (3) AGR 230 – Career Development in Agriculture (3) AGR 240 – Animal Science (3) AGR 250 – Introduction to Plants/Crop Production (3) <p>Choose Track:</p> <ul style="list-style-type: none"> Ag Business Ag Education Agromony Ag Technology Sustainable Agriculture 	<ul style="list-style-type: none"> Credentials: Associate in Applied Science Degree Diploma Certificate

Submitted By Secondary Partner: Kathy Minor 2-25-21
Kathy Minor, Principal, Harlan County High School

Scott Pace 2/25/21 Mr. Scott Pace, Harlan County High School Career and Technical Education

Postsecondary Partner: Reneau Waggoner Dr. Reneau Waggoner, Provost, Henderson Community College

Laura Winstead 2-25-21 Dr. Laura Winstead, Program Coordinator, Agriculture, Henderson Community College

Date: 2/26/2021

(Must include both signatures)