

Robertson County Offerings

2023-2024

CTE Programs of Study

TCAT					GHS	SHS	JBHS	ERHS	WHHS	IA	Notes / EPSO
DE Welding (TCAT Springfield CTC)	TCAT Dual Enrollment Welding I C13H03	TCAT Dual Enrollment Welding II C13H18	TCAT Dual Enrollment Welding III C13H38	TCAT Dual Enrollment Welding IV C13H39	✕	✕	✕		✕		
DE HVAC (TCAT Springfield CTC)	TCAT Dual Enrollment HVAC Systems I C17H03	TCAT Dual Enrollment HVAC Systems II C17H30	TCAT Dual Enrollment HVAC Systems III C17H39	TCAT Dual Enrollment HVAC Systems IV C17H40	✕	✕	✕	✕	✕		
DE Welding (Portland TCAT)	TCAT Dual Enrollment Welding I C13H03	TCAT Dual Enrollment Welding II C13H18	TCAT Dual Enrollment Welding III C13H38	TCAT Dual Enrollment Welding IV C13H39				✕	✕		7:30-9:30 a.m.
DE Machining (Portland TCAT)	TCAT Dual Enrollment Machining I C13H01	TCAT Dual Enrollment Machining II C13H20	TCAT Dual Enrollment Machining III C13H34	TCAT Dual Enrollment Machining IV C13H35				✕	✕		7:30-9:30 a.m.
DE Adv. Manufacturing (Portland TCAT)	TCAT Dual Enrollment Mechatronics I C13H04	TCAT Dual Enrollment Mechatronics II C13H21	TCAT Dual Enrollment Mechatronics III C13H36	TCAT Dual Enrollment Mechatronics IV C13H37				✕	✕		7:30-9:30 a.m.
DE Computer Information Systems (Portland TCAT)	TCAT Dual Enrollment Technology I C10H00	TCAT Dual Enrollment Technology II C21H12	TCAT Dual Enrollment Technology III C21H43	TCAT Dual Enrollment Technology IV C21H44				✕	✕		7:30-9:30 a.m.
DE Computer Information Systems (Springfield Dwntrn CAMPUS)	TCAT Dual Enrollment Technology I C10H00	TCAT Dual Enrollment Technology II C21H12	TCAT Dual Enrollment Technology III C21H43	TCAT Dual Enrollment Technology IV C21H44	✕	✕	✕				1 st and 2 nd Block
DE Adv. Manufacturing (Springfield Dwntrn CAMPUS)	TCAT Dual Enrollment Mechatronics I C13H04	TCAT Dual Enrollment Mechatronics II C13H21	TCAT Dual Enrollment Mechatronics III C13H36	TCAT Dual Enrollment Mechatronics IV C13H37	✕	✕	✕				1 st and 2 nd Block

Robertson County Offerings

Agriculture , Food and Natural Resources					GHS	SHS	JBHS	ERHS	WHHS	IA	
Veterinary and Animal Science	Agriscience ¹ C18H19	Small Animal Science C18H20	Large Animal Science C18H27 IC: Elanco Fundamentals of Animal Science or DE Vet & ANS I C18H01	Veterinary Science ¹ C18H21 IC: Elanco Vet Medical Applications or WBL - Veterinary and Animal Science Career Practicum ⁶ C18H66 or DE Vet & ANS II C18H24	X	X	X	X	X		DE Ag Business Cohort with VSCC&UTM available
Agricultural Engineering, Industrial, and Mechanical Systems	Agriscience ¹ C18H19	Principles of Agriculture Mechanics C18H12 IC: OSHA 10	Ag Power and Equipment C18H13 IC: Briggs and Stratton Small Engine Tech	Ag Fabrication & Biosystems Engineering ³ C18H22 IC: Briggs and Stratton Master Service Tech or WBL - Ag. Engineering, Industrial, and Mechanical Systems Career Practicum ⁶ C18H62	X		X	X			DE Ag Business Cohort with VSCC&UTM available

¹Satisfies the third lab science credit required for graduation.

²Supplemental Work-Based Learning opportunity for AFNR career cluster students

³Satisfies the fourth math credit required for graduation.

⁴Satisfies 1/2 credit of Personal Finance required for graduation.

⁵Satisfies one Economics credit required for graduation.

⁶May be taught for 1 or 2+ credits.

⁷Satisfies the one fine arts credit required for graduation.

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Agriculture , Food and Natural Resources					GHS	SHS	JBHS	ERHS	WHHS	IA	
Agribusiness	Agriscience ¹ C18H19	Principles of Farm and Agribusiness Management ³ C18H41	Organizational Leadership and Communications C18H18 or DE Agribusiness I C18H03	Agriculture Business and Finance ^{4&5} C18H11 or WBL - Agribusiness Career Practicum ⁶ C18H61 or DE Ag Business II C18H32							DE Ag Business Cohort with VSCC&UTM available
Horticulture Science	Agriscience ¹ C18H19	Principles of Plant Science and Hydroculture C18H30	Greenhouse Management C18H17 IC: BASF Plant Science or DE Horticulture Science I C18H05	Landscape and Turf Science ⁷ C18H16 IC: Commercial Pesticide C03 or WBL - Horticulture Sciences Career Practicum ⁶ C18H65 DE Horticulture Science II C18H33		X	X	X			DE Ag Business Cohort with VSCC&UTM available
<p style="text-align: center;">¹Satisfies the third lab science credit required for graduation.</p> <p style="text-align: center;">²Supplemental Work-Based Learning opportunity for AFNR career cluster students</p> <p style="text-align: center;">³Satisfies the fourth math credit required for graduation.</p> <p style="text-align: center;">⁴Satisfies 1/2 credit of Personal Finance required for graduation.</p> <p style="text-align: center;">⁵Satisfies one Economics credit required for graduation.</p> <p style="text-align: center;">⁶May be taught for 1 or 2+ credits.</p> <p style="text-align: center;">⁷Satisfies the one fine arts credit required for graduation.</p>											

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Agriculture , Food and Natural Resources					GHS	SHS	JBHS	ERHS	WHHS	IA	
Food Science	Agriscience ¹ C18H19	Principals of Food Production C18H29	Food Science and Safety ¹ C18H26 IC: ASMA Food Science and Safety	Advanced Food Science ¹ C18H24 or WBL - Food Science Career Practicum ⁶ C18H64 DE Food Science I C18H04				X			DE Ag Business Cohort with VSCC&UTM available
ELECTIVES				Capstone Supervised Agricultural Experience C18H57							

¹Satisfies the third lab science credit required for graduation.
²Supplemental Work-Based Learning opportunity for AFNR career cluster students
³Satisfies the fourth math credit required for graduation.
⁴Satisfies 1/2 credit of Personal Finance required for graduation.
⁵Satisfies one Economics credit required for graduation.
⁶May be taught for 1 or 2+ credits.
⁷Satisfies the one fine arts credit required for graduation.

Architecture & Construction					GHS	SHS	JBHS	ERHS	WHHS	IA	
Residential & Commercial Construction	Fundamentals of Construction C17H15	Residential & Commercial Construction I C17H24 IC: OSHA 10	Residential & Commercial Construction II C17H25	WBL - Residential & Commercial Construction Career Practicum ¹ C17H47		CTC					

¹May be taught for 1 or 2+ credits

Robertson County Offerings

Arts , Audio/Visual Technology, & Communication					GHS	SHS	JBHS	ERHS	WHHS	IA	
Digital Arts & Design	Digital Arts and Design I ² C11H06	Digital Arts and Design II C11H05	Digital Arts and Design III C11H16 IC: Adobe ACA	Applied Arts Practicum C11H07 or WBL - Digital Arts & Design Career Practicum ¹ C11H26 IC: Adobe ACA		<u>CTC</u>			<u>X</u>		
Audio/Visual Production	A/V Production I C11H01	A/V Production II C11H02	A/V Production III C11H03	Applied Arts Practicum C11H07 or WBL - Audio/Visual Production Career Practicum ¹ C11H25	<u>X</u>						New Pathway Started Fall 2022
Fashion Design	Foundations of Fashion Design ² C11H17	Fashion Design C11H10	Advanced Fashion Design C11H11	WBL - Fashion Design Career Practicum ¹ C11H24	<u>X</u>	<u>X</u>					
¹ May be taught for 1 or 2+ credits. ² Satisfies the one fine arts credit required for graduation.											

Robertson County Offerings

Business Management and Administration					GHS	SHS	JBHS	ERHS	WHHS	IA
Business Management	Introduction to Business and Marketing C12H26	Business Communication C12H16 IC: Southwest Professional Communications -or- Accounting I C29H00	Business Management ¹ C12H17	Business Entrepreneurship Practicum C12H35 - or WBL - Business Management Career Practicum ³ C12H27	<u>X</u>	<u>X</u>			<u>X</u>	
Office Management	Principles of Office Applications C12H84	Business Communications C12H16 IC: Southwest Professional Communications	Business Management ¹ C12H17	Advanced Office Applications C12H85 IC: MS Office or WBL - Office Management Career Practicum ³ C12H60	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	X
ELECTIVE COURSES	American Business Legal Systems ⁴ C12H20 and Business Economics ² C12H21					<u>X</u>		<u>X</u>		
<p>¹Satisfies 1/2 credit of Personal Finance required for graduation. ²Satisfies 1/2 credit of Economics required for graduation. ³May be taught for 1 or 2+ credits. ⁴Satisfies 1/2 credit of US Government required for graduation.</p>										

Robertson County Offerings

Education and Training					GHS	SHS	JBHS	ERHS	WHHS	IA	
Teaching as a Profession (K-12)	Teaching as a Profession I C32H01	Teaching as a Profession II C32H02	Teaching as a Profession Practicum ² C32H03	DE TAP I C32H04 or WBL - Teaching as A profession (K-12) Career Practicum ¹ C32H36	X			X			
Early Childhood Education (Pre-K-4)	Early Childhood Education Careers I C32H06	Early Childhood Education Careers II C32H07 IC: Adult, Infant, Child CPR/AED and First Aid	Early Childhood Education Careers III C32H08 IC: TECTA Orientation Certificate	WBL - Early Childhood Education Careers Career Practicum ¹ C32H34					X		
¹ May be taught for 1 or 2+ credits. ² A Student pursuing an Industry 4.0 Diploma distinction may substitute their 4th credit of math with this work-based learning course.											
Finance					GHS	SHS	JBHS	ERHS	WHHS	IA	
Accounting	Introduction to Business and Marketing C12H26	Accounting I C29H00	Accounting II C29H01	Financial Planning C29H02 or Statistics G02H37 -or- AP Statistics G02H26 or WBL - Accounting Career Practicum ¹ C29H16	X	X			X		ACCT II Offered at SHS
Banking and Finance	Introduction to Business and Marketing C12H26	Accounting I C29H00	Banking and Finance C29H03	Financial Planning C29H02 or WBL - Banking and Finance Career Practicum ¹ C29H17 or DE Financial Planning C29H10							
ELECTIVE COURSES	Personal Finance C12H24										
¹ May be taught for 1 or 2+ credits											

Robertson County Offerings

Government & Public Administration					GHS	SHS	JBHS	ERHS	WHHS	IA	
Leadership in Government	JROTC I ^{1&2} G08H04	JROTC II ^{1&2} G08H05	JROTC III ¹ G08H06 or U.S. Govt and Civics G04H12	JROTC IV G08H07 or WBL - Government Career Practicum ³ C15H29		CTC					JROTC is now included with Programs of Study. This course is still funded under General Education.
¹ JROTC satisfies the graduation requirement for Physical Education. ² JROTC I satisfies graduation requirement for Lifetime Wellness ³ May be taught for 1 or 2+ credits. ⁴ JROTC III satisfies the graduation requirement for a 1/2 credit of Personal Finance and 1/2 credit of US Government & Civics.											
Health Science Education					GHS	SHS	JBHS	ERHS	WHHS	IA	
Diagnostic Services	Health Science Education C14H14	Anatomy and Physiology ¹ C14H09 or G03H31	Diagnostic Medicine C14H12	Cardiovascular Services C14H18 IC:EKG Technician Certification or Clinical Internship ³ C14H11 Or WBL - Diagnostic Services Career Practicum ² C14H19		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		Students who have successfully completed Medical Therapeutics in any Health Science POS may Take DC Test for Medical Terminology at VSCC
¹ Satisfies the Third Lab Science credit required for Graduation. ² May be taught for 1 or 2 credits. ³ A student pursuing an Industry 4.0 Diploma Distinction may substitute their 4th credit of math with this work-based learning course.											

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Health Science Education					GHS	SHS	JBHS	ERHS	WHHS	IA	
Nursing Services	Health Science Education C14H14	Anatomy and Physiology ¹ C14H09 or G03H31	Medical Therapeutics C14H15	Nursing Education ³ C14H16 or Clinical Internship ³ C14H11 IC: Certified Nursing Assistant(Only at CTC) IC: PCT(Patient Care Technician) or WBL - Nursing Services Career Practicum ² C14H46	<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>		Students who have successfully completed Medical Therapeutics in any Health Science POS may Take DC Test for Medical Terminology at VSCC.
Therapeutic Services	Health Science Education C14H14	Anatomy and Physiology ¹ C14H09 or G03H31	Nutrition Science and Diet Therapy ¹ C19H16 or Medical Therapeutics C14H15	Clinical Internship ³ C14H11 IC: CCMA or WBL - Therapeutic Services Career Practicum ² C14H48	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>		Students who have successfully completed Medical Therapeutics in any Health Science POS may Take DC Test for Medical Terminology at VSCC.
¹ Satisfies the Third Lab Science credit required for Graduation. ² May be taught for 1 or 2 credits. ³ A student pursuing an Industry 4.0 Diploma Distinction may substitute their 4th credit of math with this work-based learning course.											

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Hospitality & Tourism					GHS	SHS	JBHS	ERHS	WHHS	IA	
Culinary Arts	Culinary Arts I C16H06 IC: ServSafe Food Handler	Culinary Arts II C16H07 IC: ServSafe Food Manager	Culinary Arts III C15H08	Culinary Arts IV C16H09 or WBL - Culinary Arts Career Practicum ¹ C16H21		CTC					After Completion of Culinary Arts I, II, and III DC with Nashville State
¹ May be taught for 1 or 2 credits											
Human Services					GHS	SHS	JBHS	ERHS	WHHS	IA	
Human and Social Sciences	Introduction to Human Studies C19H19	Lifespan Development C19H17	Family Studies C19H18	Human Services Practicum C19H20 or Psychology G04H15 or Sociology G04H14 or WBL - Human and Social Sciences Career Practicum ² C19H38	X	X	X				
¹ Satisfies the Third Lab Science credit required for Graduation ² May be taught for 1 or 2 credits											

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Human Services					GHS	SHS	JBHS	ERHS	WHHS	IA	
Dietetics and Nutrition	Introduction to Human Studies C19H19	Nutrition Across the Lifespan C19H15	Nutrition Science and Diet Therapy ¹ C19H16	Human Services Practicum C19H20 or Psychology G04H15 or Sociology G04H14 or WBL - Dietetics and Nutrition Career Practicum ² C19H37	X		X		X		
Cosmetology	Cosmetology I C19H12	Cosmetology II C19H14	Cosmetology III C19H13	WBL - Cosmetology Career Practicum ² C19H35	X	CTC					Dual Credit Testing with TCAT Nashville
¹ Satisfies the Third Lab Science credit required for Graduation ² May be taught for 1 or 2 credits											
Information Technology					GH S	SHS	JBH S	ERH S	WHHS	IA	
Coding	Computer Science Foundations ¹ C10H11	Coding I ¹ C10H14	Coding II ¹ C10H15	DE: With Vol State or WBL Coding Career Practicum ² C10H40						X	DE: Open to all High Schools
¹ May count for Computer Science graduation requirement. ² May be taught for 1 or 2+ credits											

Robertson County Offerings

Law, Public Safety, Corrections, & Security					GHS	SHS	JBHS	ERHS	WHHS	IA	
Criminal Justice and Correction Services	Criminal Justice I C30H00	Criminal Justice II C30H01 DC: CRMJ 1010 Introduction to Criminal Justice	Criminal Justice III Investigation C30H02 DC: DRMJ 1360 Introduction to CSI or DE Criminal Justice and Correction Services I C30H12	DE Criminal Justice and Correction Services II C30H13 or WBL - Criminal Justice and Correction Services Career Practicum ² C30H27		<u>CTC</u>					VSCC Dual Credit Test available for student who successfully complete CJ I & II
ELECTIVES	American Business Legal Systems ¹ C12H20					<u>X</u>					
¹ Satisfies 1/2 credit of US Government required for graduation. ² May be taught for 1 or 2+ credits.											
Marketing					GHS	SHS	JBHS	ERHS	WHHS	IA	
Entrepreneurship	Introduction to Entrepreneurship C31H23	Marketing and Management I ¹ Principles C31H00	Entrepreneurship ^{1&3} C31H05	Business Enterprise Practicum C12H35-or- WBL - Entrepreneurship Career Practicum ¹ C31H29	X						
Marketing Management	Introduction to Business and Marketing C12H26	Marketing and Management I ¹ Principles C31H00	Marketing Management II Advanced Strategies C31H01	Advertising and Public relations C31H03-or- Retail Operations C31H04-or - Event Planning and Management C16H12 or WBL - Marketing Management Career Practicum ² C31H28	<u>X</u>	<u>X</u>		<u>X</u>			VSCC Dual Credit Testing after successful completion of two Marketing Classes
¹ Satisfies 1/2 credit of Economics required for graduation. ² May be taught for 1 or 2 credits. ³ Satisfies 1/2 credit of Personal Finance required for Graduation.											

Robertson County Offerings

Science, Technology, Engineering, and Mathematics					GHS	SHS	JBHS	ERHS	WHHS	IA	
Engineering	Principles of Engineering and Technology C21H04	Engineering Design I ¹ C21H05 IC: OSHA 10	Engineering Design II ¹ C21H06 IC: Autodesk Inventor Certified	WBL - Engineering Career Practicum C21H47	<u>X</u>	<u>CTC</u>				X	
BioSTEM	BioSTEM I ¹ C21H07	BioSTEM II ¹ C21H08	BioSTEM III ¹ C21H09 IC: BACE Certification	WBL - BioSTEM Career Practicum ² C21H46					<u>X</u>		Check with counselor for Prerequisites.
¹ Satisfies the Third Lab Science credit required for Graduation ² May be taught for 1 or 2 credits											
Transportation, Distribution, and Logistics					GHS	SHS	JBHS	ERHS	WHHS	IA	
Automotive Maintenance and Light Repair	Maintenance and Light Repair I C20H09	Maintenance and Light Repair II C20H10	Maintenance and Light Repair III C20H11	Maintenance and Light Repair IV C20H12 IC: NC3 Snap-on Precision Measurement or WBL - Automotive Maintenance and Light Repair Career Practicum ¹ C20H34		<u>CTC</u>					Sophomores through Seniors may enroll as DE Automotive through TCAT
¹ May be taught for 1 or 2 credits											

Robertson County Offerings

Blue Text = EPSO
Red Text = Academic Class
Beige background = Double dip class
Green Text = Change
Dark Blue Text: Industry Certification