



TENNESSEE DEPARTMENT OF
EDUCATION
DIVISION OF CAREER AND TECHNICAL EDUCATION

The revised Programs of Study and corresponding courses are outlined below by Career Cluster. For more information on the specific courses, please visit our career cluster webpage at https://www.tn.gov/content/dam/tn/education/ccte/cte/pos_2019-20.pdf

Williamson County Schools
CCTE Programs of Study
2019-2020

This guide indicates Programs of Study (POS) being offered in WCS as well as certifications/credentials that students may obtain through each POS when available. Each POS is aligned with one of the state approved 16 Career Clusters.

Notes:

- * Indicates a dual credit opportunity
- ** Indicates dual enrollment opportunity
- **SPOS** indicates Special Program of Study
- **CTE courses satisfying additional graduation requirements**
- **WBL may substitute for a Level 3 or Level 4 course in any Program of Study and complete a student's elective focus with prior approval**

Advanced Manufacturing

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Mechatronics CSCC AiIT A.A.S Fairview	Principles of Manufacturing 5922 NIMS Industry Certification And CPT Industry Certification	Digital Electronics 5925	Mechatronics I 6156 * Dual Credit Opportunity through CSCC or Mechatronics Dual Enrollment (CSCC) 4063 ** Level I Siemens Certified Mechatronics System Assistant Industry Certification	Mechatronics II 6157 * Dual Credit Opportunity through CSCC or Mechatronics Dual Enrollment (CSCC) 4063 ** or Manufacturing Practicum 5926	NIMS Industry Certification CPT Industry Certification Level I Siemens Certified Mechatronics System Assistant Industry Certification	SkillsUSA or TSA	** See specific course sequence ending in CSCC AiIT A.A.S Degree

Agriculture, Food, & Natural Resources

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Veterinary and Animal Science Page	Agriscience 5957 <i>Lab Science and elective focus credit <u>only</u> for students completing a Veterinary and Animal Science or Horticulture Science Program of Studies</i>	Small Animal Science 5958	Large Animal Science 6116	Veterinary Science 5961 <i>Lab Science and elective focus credit <u>only</u> for students completing a Veterinary Animal Science Program of Studies</i> Animal Science Industry Certification	Animal Science Industry Certification	FFA	
Horticulture Science Fairview	Agriscience 5957 <i>Lab Science and elective focus credit <u>only</u> for students completing a Veterinary and Animal Science or Horticulture Science Program of Studies</i>	Principles of Plant Sciences and Hydroculture 6119	Greenhouse Management 5954	Landscaping and Turf Science 5951 Commercial Pesticide Industry Certification	Commercial Pesticide Industry Certification Tennessee Industry Specific Certification	FFA	

Horticulture Science Nolensville	Agriscience 5957 <small>Lab Science and elective focus credit <u>only</u> for students completing a Veterinary and Animal Science or Horticulture Science Program of Studies</small>	Principles of Plant Sciences and Hydroculture 6119	Greenhouse Management 5954 Or AP Environmental Science 3236	AP Environmental Science 3236 Or Work-Based Learning: Career Practicum 6105	Commercial Pesticide Industry Certification	FFA	
---	--	---	---	---	---	-----	--

Architecture & Construction

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Architecture, Engineering and Design Centennial Franklin Independence Ravenwood	Architectural & Engineering Design I 6037	Architectural & Engineering Design II 6039	Architectural & Engineering Design III 5927 ** <small>**Engineering 2100 at CHS, RHS, PHS & IHS (MTSU) DE Course Code 4071</small>	Honors Engineering Practicum: Engineering Your World 6141 RHS only ** <small>**Engineering 1100 at RHS (MTSU) DE Course Code 4071</small> Geographic Information Systems 6142 CHS only	AutoCAD Certified User	SkillsUSA Or TSA	
Structural Systems Fairview	Fundamentals of Construction 6073 NCCER Core Curriculum and OSHA 10 Industry Certifications	Structural Systems I 6164 NCCER Carpentry Level I Industry Certification	Structural Systems II 6165 NCCER Carpentry Level II and OSHA 30 Construction Industry Certifications	Construction Practicum 6160	NCCER Core Curriculum OSHA 10 Industry Certifications NCCER Carpentry Level I Industry Certification NCCER Carpentry Level II OSHA 30 Construction Industry Certifications	SkillsUSA	

Mechanical, Electrical, & Plumbing (MEP) Systems Independence	HVAC C17H17 And/or Plumbing Systems C17H18						
--	---	--	--	--	--	--	--

Arts, Audio/Visual Technology, & Communications

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Digital Arts and Design Franklin Independence Renaissance Summit	Digital Arts and Design I 6084 <i>Fine Art and elective focus credit <u>only</u> for students completing a Digital Arts and Design Program of Studies</i>	Digital Arts and Design II 6086	Digital Arts and Design III 6087 ** **EMC1050 at IHS & SHS (MTSU) DE Course Code 4077 * Dual Credit Opportunity through Nossi * Dual Credit Opportunity through CSCC AP Portfolio Submission for possible AP credit	Digital Arts and Design III 6087 ** **EMC1050 at IHS & SHS (MTSU) DE Course Code 4077 Applied Arts Practicum 6158	Adobe Certified Associate - Creative Suite Apple Certified Pro Adobe Certified Associate - Premier Pro	SkillsUSA	
SPOS Music Industry Audio Production Renaissance	Music Industry Audio Production I 6042 23021	Music Industry Audio Production II 6042 23022	Music Industry Audio Production III 6042 23023		ProTools	SkillsUSA	
Television and Film Production / AV Production Brentwood Centennial Fairview Franklin Independence Page Nolensville Ravenwood Summit	Television and Film Production / AV Production I 6049	Television and Film Production / AV Production II 6050	Television and Film Production / AV Production III 6083 **EMC 1060 at BHS, CHS, FHS, FavHS, IHS, PHS, RHS & SHS (MTSU) DE Course Code 4078 * Dual Credit Opportunity through CSCC	Television and Film Production / AV Production III 6083 Applied Arts Practicum 6158		SkillsUSA Or TSA	

Business Management & Administration

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Business Management Brentwood	Computer Applications 5891 * Dual Credit Opportunity through CSCC	Accounting I 5910 * Dual Credit Opportunity through CSCC	Business Management 5889 ** **BCED 1400 at BHS (MTSU) DE Course Code 4083	Virtual Enterprise International 5900 Economics and elective focus credit only for students completing a Business Management & Administration, or Marketing Management Program of Studies or Business & Entrepreneurship Practicum 6159		DECA	

Education & Training

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Teaching as a Profession K-12 Centennial Fairview	Fundamentals of Education 6123 (Not at CHS)	Teaching as a Profession I 6010	Teaching as a Profession II 6125	Teaching as a Profession III 6126 or Work Based Learning / Internship 6105		FCCLA	
Early Childhood Education Careers Independence Summit	Early Childhood Education Careers I 6015	Early Childhood Education Careers II 6016	Early Childhood Education Careers III 6017 CDA Industry Certification	Teaching as a Profession I 6010	TECTA Orientation/ Certification CDA Industry Certification	FCCLA	
Early Childhood Education Careers Franklin	Early Childhood Education Careers I 6015	Early Childhood Education Careers II 6016	Teaching as a Profession I 6010		TECTA Orientation/ Certification CDA Industry Certification	FCCLA	

Finance

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Accounting Ravenwood	Accounting I 5910 * Dual Credit Opportunity through CSCC	Accounting II 5911	Statistics 3136 Or AP Statistics 3129			DECA	

Hospitality & Tourism

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Culinary Arts Franklin Summit	Culinary Arts I 5979	Culinary Arts II 5980	Culinary Arts III 5981 ServSafe Food Manager Industry Certification	Work Based Learning / Internship 6105	ServSafe Food Manager Industry Certification ABC Card ProStart Serve-Safe	FCCLA	
Culinary Arts Nolensville	Culinary Arts I 5979 Intro to Hospitality 1030 (CSCC)	Culinary Arts II 5980 Sanitation and Food Safety 1400 (CSCC) Hospitality Sales and Marketing 1170 (CSCC)	Culinary Arts III 5981 Culinary Fabrication 1425 (CSCC) The Guest Experience 1300 (CSCC) ServSafe Food Manager Industry Certification	Culinary Arts IV 6167 Supervision in Hospitality Industry 1130 (CSCC) Culinary Capstone Course 2390 (CSCC)	ServSafe Food Manager Industry Certification ABC Card ProStart Serve-Safe	FCCLA	

Human Services

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Cosmetology Centennial	Cosmetology I 5983 Transfer Hours to Empire Beauty, Hair Academy Franklin, Georgia Career Institute, Paul Mitchell	Cosmetology II 5986 Transfer Hours to Empire Beauty, Hair Academy Franklin, Georgia Career Institute, Paul Mitchell	Cosmetology III 5984 Transfer Hours to Empire Beauty, Hair Academy Franklin, Georgia Career Institute, Paul Mitchell	Cosmetology IV 6167 Transfer Hours to Empire Beauty, Hair Academy Franklin, Georgia Career Institute, Paul Mitchell TN Board of Cosmetology & Barbering TN Master Barber 1010 Industry Certification	Accrue state board hours for post-secondary credit TN Board of Cosmetology & Barbering TN Master Barber 1010 Industry Certification	SkillsUSA	
Sports Health and Nutrition Science Independence	Nutrition Across the Lifespan 6005	Nutrition Science and Diet Therapy 6007 Tennessee Specific Industry Certification – Dietetics and Nutrition Industry Certification DE Enrollment opportunity through MTSU (NFS 2220)	Human Services Practicum 6138 DE Enrollment opportunity through MTSU (COMM 2220)		Tennessee Specific Industry Certification – Dietetics and Nutrition Industry Certification	FCCLA	

Information Technology (page 1 of 3)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Web Design & Mobile Technologies Tech Certificate Centennial	Coding I 6098 * Dual Credit Opportunity through CSCC	Web Foundations 6100 * Dual Credit Opportunity through CSCC	Fall Semester CITC 2361 Adv. Web Design & Development DE Opportunity through CSCC Spring Semester CITC 1373 IOS APP Development DE Opportunity through CSCC	Fall Semester CITC 1372 Android APP Development Spring Semester CITC 2372 Mobile Security DE Opportunity through CSCC		SkillsUSA	** See specific course sequence ending in CSCC Web Design & Mobile Technologies Tech Certificate
Coding Ravenwood	Coding I 6098 * Dual Credit Opportunity through CSCC	Coding II 6099 Comp TIA A+ and Microsoft Technology Associate Software Development Industry Certification **INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113	AP Computer Science Principles 3634 Or AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit	AP Computer Science Principles 3634 Or AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit or Coding Practicum/ Game Programming 5908	Comp TIA A+ Microsoft Technology Associate Software Development Industry Certification	SkillsUSA	
Coding/ Autonomous Vehicles Brentwood Franklin Independence	Coding I 6098 * Dual Credit Opportunity through CSCC	Honors Coding Practicum I/ Autonomous Vehicles 5908	Honors Coding Practicum II/ Autonomous Vehicles 5908	AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit		SkillsUSA	

Information Technology (page 2 of 3)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Coding Independence Page	Coding I 6098 * Dual Credit Opportunity through CSCC	Coding II 6099 Comp TIA A+ and Microsoft Technology Associate Software Development Industry Certification **INFS 2600 at BHS, FHS, IHS, PHS, RHS (MTSU) DE Course Code 4113	AP Computer Science Principles 3634 Or AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit	AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit Or AP Computer Science Principles 3634	Comp TIA A+ Microsoft Technology Associate Software Development Industry Certification	SkillsUSA Or TSA	
Coding Brentwood Summit	Computer Science Foundations 6095 CompTIA IT Fundamentals Industry Certification	Coding I 6098 * Dual Credit Opportunity through CSCC	Coding II 6099 Comp TIA A+ and Microsoft Technology Associate Software Development Industry Certification **INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113	AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit Or AP Computer Science Principles 3634 Or Honors Programing and Software Development Practicum 5908	CompTIA IT Fundamentals Industry Certification Comp TIA A+ Microsoft Technology Associate Software Development Industry Certification	SkillsUSA	
Coding Brentwood	Coding I 6098 * Dual Credit Opportunity through CSCC	AP Computer Science Principles 3634	Coding II 6099 Comp TIA A+ and Microsoft Technology Associate Software Development Industry Certification **INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113	AP Computer Science 3635 *AP computer Science 3635 - Math course, AP focus credit and information technology focus credit	Comp TIA A+ Microsoft Technology Associate Software Development Industry Certification	SkillsUSA	

Information Technology (page 3 of 3)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Coding Brentwood	AP Computer Science Principles 3634	Coding II 6099 Comp TIA A+ and Microsoft Technology Associate Software Development Industry Certification <small>**INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science 3635 <small>*AP computer Science 3635 - Math course, AP focus credit and information technology focus credit</small>	Honors Programming and Software Development Practicum 5908	Comp TIA A+ Microsoft Technology Associate Software Development Industry Certification	SkillsUSA	
Coding Renaissance	AP Computer Science Principles 3634	Coding I 6098	Coding II 6099	Coding Practicum 5908			

Law, Public Safety, Corrections, & Security

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Criminal Justice (Law Enforcement Services) Franklin Ravenwood	Criminal Justice I 5987	Criminal Justice II 5988 ** <small>CJA 1100, 2200, 2600 DE Course Code 4117 FHS & RHS (MTSU)</small>	Criminal Justice III: Investigation 5989 ** <small>CJA 1100, 2200, 2600 DE Course Code 4117 FHS & RHS (MTSU)</small>		Dispatch & Security Certification for Emergency Telecommunication Unarmed Security Guard	SkillsUSA	
SPOS Criminal Justice (Law Enforcement Services) Centennial	Criminal Justice I 5987	Criminal Justice II 5988	Criminal Justice III: Investigation 5989 ** Or Networking I <small>DE Course Code 4114</small> & Cyber Security <small>DE Course Code 4119</small> ** <small>DE CSCC</small>	Criminal Justice III: Investigation 5989 ** Or Networking I <small>DE Course Code 4114</small> & Cyber Security <small>DE Course Code 4119</small> ** <small>DE CSCC</small>	Dispatch & Security Certification for Emergency Telecommunication Unarmed Security Guard	SkillsUSA	

Marketing (page 1 of 2)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Marketing Management Centennial	Marketing and Management, I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Marketing and Management Principles II: Advanced Strategies 5932 * Dual Credit Opportunity through CSCC	Event Planning and Management 6168	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study		DECA	
Marketing Management Franklin	Marketing and Management, I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Event Planning and Management 6168	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Work-Based Learning: Career Practicum 6105		DECA	
Marketing Management Independence	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Marketing and Management Principles II: Advanced Strategies 5932 * Dual Credit Opportunity through CSCC	Retail Operations 5938 Or Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study			DECA	
Marketing Management Page Summit	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Marketing and Management Principles II: Advanced Strategies 5932 * Dual Credit Opportunity through CSCC	Advertising & Public Relations 5936	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study		DECA	
Marketing Ravenwood	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Sports and Entertainment Marketing/ Marketing and Management Principles II: Advanced Strategies 5932 * Dual Credit Opportunity through CSCC	Advertising & Public Relations 5936	Retail Operations 5938			

Marketing (page 1 of 2)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Entrepreneurship Nolensville	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Virtual Enterprise International 5900 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study			DECA	
Entrepreneurship Franklin	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Work-Based Learning: Career Practicum 6105			DECA	
Entrepreneurship Brentwood	Marketing and Management I Principles 5931 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Entrepreneurship 5934 * Dual Credit Opportunity through CSCC Economics credit for students completing any CTE Program of Study	Business & Entrepreneurship Practicum 6159			DECA	
SPOS Entrepreneurship and Innovation Center The Annex at Franklin High School	Entrepreneurship and Innovation I	Entrepreneurship and Innovation II (2020-2021)	EIC Practicum/ Work-Based Learning: Career Practicum 6105				

Medical Sciences (page 1 of 2)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
Diagnostic Services / Pre-Med Franklin Page	Health Science Education 5998	Honors Anatomy and Physiology 3251 <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i>	Diagnostic Medicine 5994	Clinical Internship 5993 Cardiovascular Services 6131 PHS Certified EKG Technician Industry Certification	Certified EKG Technician Industry Certification	HOSA	
Diagnostic Services/ Pre-Med Independence	Health Science Education 5998	Diagnostic Medicine 5994	Honors Anatomy and Physiology 3251 <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i>	Honors Nursing Education 6000 Certified Nursing Assistant Industry Certification or Clinical Internship 5993	Certified Nursing Assistant Industry Certification	HOSA	
Emergency Services Fairview Page Ravenwood	Health Science Education 5998	Honors Anatomy & Physiology 5991 Fairview <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i> Honors Anatomy & Physiology 3251 PHS & RHS <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i>	Honors Medical Services 5995 Emergency Medical Responder Industry Certification	Clinical Internship 5993	Emergency Medical Responder Industry Certification	HOSA	
SPOS Pre-Med / Biomedical Science (PLTW) Ravenwood	Honors Principles of Biomedical Science 23101 Or Biology 3210	Honors Human Body Systems 23102 <i>Lab Science and elective focus credit only for students completing the PLTW Biomedical Science Program of Studies</i>	Honors Medical Interventions	Honors Biomedical Innovations		HOSA	AP Chemistry 3225 AP Physics 3238

<p>Nursing (Therapeutic Nursing Services)</p> <p>Centennial Nolensville Page Ravenwood</p>	<p>Health Science Education 5998</p>	<p>Honors Medical Therapeutics 5999</p> <p>Certified Clinical Medical Assistant Industry Certification (if Medical Therapeutics is Followed by Clinical Internship)</p>	<p>Honors Anatomy and Physiology 3251 <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i> or Honors Nursing Education 6000</p> <p>Certified Nursing Assistant Industry Certification</p>	<p>Clinical Internship 5993 Or Honors Nursing Education 6000</p> <p>Certified Nursing Assistant Industry Certification</p>	<p>Certified Clinical Medical Assistant Industry Certification</p> <p>Certified Nursing Assistant Industry Certification</p>	<p>HOSA</p>	
<p>Sport and Human Performance</p> <p>Independence Fairview Nolensville Summit</p>	<p>Health Science Education 5998</p>	<p>Honors Rehabilitation Careers 5990</p>	<p>Honors Anatomy and Physiology 5991 FavHS <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i></p> <p>Honors Anatomy and Physiology 3251 IHS <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i></p>	<p>Clinical Internship 5993 <i>IHS & SHS</i></p> <p>Exercise Science 6170 <i>FavHS</i></p> <p>Certified Personal Trainer Industry Certification (if Exercise Science is Followed by Clinical Internship)</p>	<p>Certified Personal Trainer Industry Certification</p>	<p>HOSA</p>	

Science, Technology, Engineering, & Mathematics

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
STEM Research: Mechanical Engineering Brentwood Franklin	Coding I 6098	Honors Engineering Through Service Learning 5921 Or AP Computer Science 3635	AP Physics 3238	Honors STEM Research 6147		TSA	AP Environmental Science 3236
STEM Research: Chemical Engineering Brentwood Franklin	Coding I 6098	Honors Engineering Through Service Learning 5921 Or AP Computer Science 3635	AP Chemistry 3225	Honors STEM Research 6147		TSA	AP Environmental Science 3236
STEM Research: Biomedical Engineering Brentwood	Coding I 6098	Honors Engineering Through Service Learning 5921 Or AP Computer Science 3635	AP Biology 3217	Honors STEM Research 6147		TSA	AP Environmental Science 3236
Engineering by Design Page	Foundations of Technology (EBD) 5917	Technological Design (EBD) 5885	Advanced Design Applications (EBD) 5920	Work-Based Learning: Career Practicum 6105	Autodesk Certified User	TSA	
Engineering Project Lead the Way Page Summit	Honors Introduction to Engineering Design (PLTW) 6054	Honors Principles of Engineering (PLTW) 6052 <i>Lab science and elective focus credit only for students completing an Engineering Project Lead the Way Program of Studies</i>	Honors Civil Engineering (PLTW) 6056 and Honors Digital Electronics (PLTW) 6053	Honors Engineering Design and Development (PLTW) 6059 ** ENGR2100 (MTSU) DE Course Code 4071	Autodesk Certified User	SkillsUSA or TSA	
SPOS Engineering and Unmanned Aerial Systems (UAS) Nolensville	Principles of Engineering Technology 5924	Engineering Design I 6139	Engineering Design II 6140 Or Honors Unmanned Aerial System 3153 <i>Dual Credit Opportunity through MTSU</i>	Work-Based Learning: Career Practicum related to Engineering and Unmanned Aerial Systems 6105	Remote Pilot Certification	****	

Transportation, Distribution, & Logistics

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<p>Automotive Collision Repair</p> <p>Franklin</p>	<p>Introduction to Collision Repair 6172</p>	<p>Collision Repair: Non-Structural 6062</p> <p>I-CAR Refinish Technician ProLevel 1 or I-CAR Non-Structural Technician ProLevel 1 and Automotive Service Excellence Student Certification: Nonstructural Analysis/Repair Industry Certification</p>	<p>Collision Repair: Painting & Refinishing 6063</p> <p>Automotive Service Excellence Student Certification: Paining and Refinishing Industry Certification</p>	<p>Collision Repair: Damage Analysis, Estimating, & Customer Service 6149</p>	<p>I-CAR Refinish Technician ProLevel 1</p> <p>I-CAR Non-Structural Technician ProLevel 1</p> <p>Automotive Service Excellence Student Certification: Nonstructural Analysis/Repair Industry Certification</p> <p>Automotive Service Excellence Student Certification: Paining and Refinishing Industry Certification</p>	<p>SkillsUSA</p>	<p>Service King Internships at level 3 and level 4</p>