



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 [http://www.tn.gov/education/cte/Career\\_Clusters/Career\\_Clusters.shtml](http://www.tn.gov/education/cte/Career_Clusters/Career_Clusters.shtml).

**Williamson County Schools**  
**CCTE Programs of Study**  
**2017-2018**

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
- Underlined courses qualify as a Capstone class
- **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
<b>Mechatronics</b> <b>CSCC AiiT</b> <b>A.A.S</b>  <b>Fairview</b>	Principles of Manufacturing 5922	Digital Electronics 5925	Mechatronics I 6156 or Mechatronics Dual Enrollment (CSCC) 4063 **	Mechatronics II 6157 or Mechatronics Dual Enrollment (CSCC) 4063 ** or <u>Manufacturing Practicum</u> 5926		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
<b>Veterinary and Animal Science</b>  <b>Page</b>	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>	Small Animal Science 5958	Large Animal Science 6116	Veterinary Science 5961  <small>Lab Science and elective focus credit <u>only</u> for students completing a Veterinary Animal Science Program of Studies</small>		FFA	
<b>Horticulture Science</b>  <b>Fairview</b>	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	Landscaping and Turf Science 5951		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
<b>Architecture, Engineering and Design</b>  <b>Centennial</b> <b>Franklin</b> <b>Independence</b> <b>Page</b> <b>Ravenwood</b>	Architectural & Engineering Design I 6037 <small>Not at PHS</small>	Architectural & Engineering Design II 6039	Architectural & Engineering Design III 5927 ** <small>**Engineering 2100 at CHS, RHS, PHS &amp; IHS (MTSU)            DE Course Code 4071</small>	<u>Honors Engineering Practicum:</u> Engineering Your World 6141 ** <small>**Engineering 1100 at RHS (MTSU)            DE Course Code 4071</small>	AutoCAD Certified User (\$60.75)	SkillsUSA Or TSA	
<b>Structural Systems</b>  <b>Fairview</b>	Fundamentals of Construction 6073	Structural Systems I 6164	Structural Systems II 6165	<u>Construction Practicum</u> 6160	NCCER Carpenter Level 1 (Free to Student) OSHA 10 (\$69)	SkillsUSA	

# 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
<b>Digital Arts and Design</b>  <b>Franklin Independence Renaissance Summit</b>	Digital Arts and Design I 6084  <small>Fine Art and elective focus credit <u>only</u> for students completing a Digital Arts and Design Program of Studies</small>	Digital Arts and Design II 6086	Digital Arts and Design III 6087 ** <small>**EMC1050 at IHS &amp; SHS (MTSU) DE Course Code 4077</small>  <small>AP Portfolio Submission for possible AP credit</small>	<u>Applied Arts Practicum 6158</u>	Adobe Certified Associate - Creative Suite (\$97) Apple Certified Pro (\$97) Adobe Certified Associate - Premier Pro (\$97)	SkillsUSA	
<b>Fashion Design</b>  <b>Ravenwood</b>	Foundations of Fashion 6120  <small>Fine Art and elective focus credit <u>only</u> for students completing a Fashion Design Program of Studies</small>	Fashion Design 6008	Advanced Fashion Design 6009			FCCLA	
<b>SPOS Music Industry Audio Production</b>  <b>Renaissance</b>	Music Industry Audio Production I 6042 23021	Music Industry Audio Production II 6042 23022	Music Industry Audio Production III 6042 23023		ProTools (\$25)	SkillsUSA	
<b>Television and Film Production / AV Production</b>  <b>Brentwood Centennial Fairview Franklin Independence Page Nolensville Ravenwood Summit</b>	Television and Film Production / AV Production I 6049	Television and Film Production / AV Production II 6050	**Television and Film Production / AV Production III 6083  <small>**EMC 1060 at BHS, CHS, FHS, FvHS, IHS, PHS, RHS &amp; SHS (MTSU) DE Course Code 4078</small>			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
<b>Business Management</b>  <b>Brentwood</b>	Computer Applications 5891	Accounting I 5910	Business Management 5889 ** <small>**BCED 1400 at BHS (MTSU)            DE Course Code 4083</small>	Virtual Enterprise International 5900  <small>Economics and elective focus credit <u>only</u> for students completing a Business Management &amp; Administration, or Marketing Management Program of Studies</small>  or <u>Business &amp; Entrepreneurship Practicum</u> 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
<b>Teaching as a Profession K-12</b>  <b>Centennial Fairview</b>	Fundamentals of Education 6123	Teaching as a Profession I 6010	Teaching as a Profession II 6125	Teaching as a Profession III 6126 or <u>Work Based Learning / Internship</u> 6105		FCCLA	
<b>Early Childhood Education Careers</b>  <b>Franklin Independence Summit</b>	Early Childhood Education Careers I 6015	Early Childhood Education Careers II 6016	Early Childhood Education Careers III 6017	Teaching as a Profession I 6010	TECTA Orientation/ 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
<p style="text-align: center;"><b>Accounting</b></p> <p style="text-align: center;"><b>Ravenwood</b></p>	<p style="text-align: center;">Accounting I 5910</p>	<p style="text-align: center;">Accounting II 5911</p>	<p style="text-align: center;">Statistics 3136 Or AP Statistics 3129</p>			<p style="text-align: center;">DECA</p>	



# Hospitality & Tourism

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<p><b>Culinary Arts</b></p> <p><b>Franklin Nolensville Summit</b></p>	<p>Culinary Arts I 5979</p>	<p>Culinary Arts II 5980</p>	<p>Culinary Arts III 5981</p>		<p>ABC Card (\$85) ProStart (\$20-40) Serve-Safe (\$36)</p>	<p>FCCLA</p>	

# Human Services

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<b>Cosmetology</b>  <b>Centennial</b>	*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 TBD  Transfer Hours to Empire Beauty, Hair Academy Franklin, Georgia Career Institute, Paul Mitchell	Accrue state board hours for post- secondary credit	SkillsUSA	
<b>Sports Health            and Nutrition            Science</b>  <b>Independence</b>	Nutrition Across the Lifespan 6005	Nutrition Science and Diet Therapy 6007	<u>Human            Services            Practicum</u> 6138			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
<b>Web Design &amp; Mobile Technologies Tech Certificate</b>  <b>Renaissance</b>	Web Foundations 6100  <small>* DC CSCC CITC 1300 Beginning HTML and CSS</small>	Web Site Development 6101  <small>*DC CSCC CITC 2361 Adv Web Design &amp; Development</small>	Fall Semester CITC 1301 Introduction to P&L  Spring Semester CITC 1373 IOS APP Development  <small>DE Opportunity through CSCC</small>	Fall Semester CITC 1372 Android APP Development  Spring Semester CITC 2372 Mobile Security  <small>DE Opportunity through CSCC</small>		SkillsUSA	Creativity in the 21 <sup>st</sup> Century 6042
<b>Networking Systems</b>  <b>Independence</b>	Computer Science Foundations 6095	Computer Systems 6094	Honors Cabling and Internetworking 6093 Or Networking 6097		A+ (\$178) Cisco (\$150) Net + (\$253)	SkillsUSA	
<b>Coding</b>  <b>Ravenwood</b>	Coding I 6098	Coding II 6099  <small>**INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science Principles 3634 Or AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>	AP Computer Science Principles 3634 Or AP Computer Science 3635 or <u>Coding Practicum/ Game Programming</u> 5908  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>			
<b>Coding/ Autonomous Vehicles</b>  <b>Franklin Independence</b>	Coding I 6098	Honors Coding Practicum I/ Autonomous Vehicles 5908	Honors Coding Practicum II/ Autonomous Vehicles 5908	AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>			

# 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
<b>Coding</b>  <b>Independence Page</b>	Coding I 6098	Coding II 6099  <small>**INFS 2600 at BHS, FHS, IHS, PHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science Principles 3634 Or AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>	AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small> Or AP Computer Science Principles 3634	Certified Internet Webmaster (CIW)	Skills USA Or TSA	
<b>Coding</b>  <b>Brentwood Nolensville Summit</b>	Computer Science Foundations 6095 (Not at BHS)	Coding I 6098	Coding II 6099  <small>**INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science 3635 Or AP Computer Science Principles 3634 Or Honors Programming and Software Development Practicum 5908  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>		Skills USA	
<b>Coding</b>  <b>Brentwood</b>	Coding I 6098	AP Computer Science Principles 3634  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>	Coding II 6099  <small>**INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>		Skills USA	
<b>Coding</b>  <b>Brentwood</b>	AP Computer Science Principles 3634  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>	Coding II 6099  <small>**INFS 2600 at BHS, FHS, IHS, RHS (MTSU) DE Course Code 4113</small>	AP Computer Science 3635  <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small>	Honors Programming and Software Development Practicum 5908		Skills USA	

# 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
<b>WIT Academy Coding</b>  <b>Centennial</b> DE=Dual Enrollment (CSCC)	Coding I 6098 Or Robotics <small>DE Course Code 4113</small> & Mobile App Design <small>DE Course Code 4113</small> **	Web Foundations 6100 Or Robotics <small>DE Course Code 4113</small> & Mobile App Design <small>DE Course Code 4113</small> **	AP Computer Science Principles 3634 Or AP Computer Science 3635 <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small> Or Robotics <small>DE Course Code 4113</small> & Mobile App Design <small>DE Course Code 4113</small> ** Or Networking I <small>DE Course Code 4114</small> & Cyber Security <small>DE Course Code 4119</small> **	AP Computer Science Principles 3634 Or AP Computer Science 3635 <small>*Math course, AP focus credit and information technology focus credit <u>only</u> for students completing an Information Technology Program of Studies</small> Or Networking I <small>DE Course Code 4114</small> & Cyber Security <small>DE Course Code 4119</small> ** or Robotics <small>DE Course Code 4112</small> & Mobile App Design <small>DE Course Code 4113</small> ** Or Web Page Development & Design <small>DE Course Code 4115</small> **		Skills USA	

# 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
<b>Criminal Justice</b> <b>(Law Enforcement Services)</b>  <b>Franklin Independence Ravenwood</b>	Criminal Justice I 5987	*Criminal Justice II 5988 ** <small>CJA 1100, 2200, 2600            DE Course Code 4117            IHS &amp; RHS (MTSU)</small>	Criminal Justice III: Investigation 5989 ** <small>CJA 1100, 2200, 2600 DE            Course Code 4117            IHS &amp; RHS (MTSU)</small>		Dispatch & Security Certification for Emergency Telecommunication (\$50) Unarmed Security Guard (\$70)	SkillsUSA	
<b>SPOS Criminal Justice</b> <b>(Law Enforcement Services)</b>  <b>Centennial</b>	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> ** (DE CSCC)	Criminal Justice III: Investigation 5989 ** Or Networking I <small>DE Course Code 4114</small> & Cyber Security <small>DE Course Code 4119</small> ** (DE CSCC)	Dispatch & Security Certification for Emergency Telecommunication (\$50) Unarmed Security Guard (\$70)	SkillsUSA	

\*State Wide Dual Credit pilot for Criminal Justice at FHS and CHS

# 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
<b>Marketing Management</b>  <b>Centennial</b>	Marketing and Management I Principles 5931 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>	Marketing and Management Principles II: Advanced Strategies 5932	Event Planning and Management 6168	Entrepreneurship 5934 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>		DECA	
<b>Marketing Management</b>  <b>Franklin</b>	Marketing and Management I Principles 5931 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>	Event Planning and Management 6168	Work-Based Learning: Career Practicum 6105			DECA	
<b>Marketing Management</b>  <b>Independence</b>	Marketing and Management I Principles 5931 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>	Marketing and Management Principles II: Advanced Strategies 5932	Retail Operations 5938 Or Entrepreneurship 5934 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>			DECA	
<b>Marketing Management</b>  <b>Page Summit</b>	Marketing and Management I Principles 5931 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>	Marketing and Management Principles II: Advanced Strategies 5932	Advertising & Public Relations 5936	Entrepreneurship 5934 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>		DECA	
<b>Marketing Management</b>  <b>Ravenwood</b>	Marketing and Management I Principles 5931 <small>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</small>	Marketing and Management Principles II: Advanced Strategies 5932	Event Planning & Management 6168			DECA	

# Marketing (page 2 of 2)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<b>Marketing Management</b>  <b>Ravenwood</b>	Marketing and Management I Principles 5931  <i>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</i>	Marketing and Management Principles II: Advanced Strategies 5932	Event Planning & Management 6168			DECA	
<b>Entrepreneurship</b>  <b>Brentwood</b> <b>Nolensville</b> <b>Ravenwood</b>	Marketing and Management I Principles 5931  <i>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</i>	Entrepreneurship 5934  <i>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</i>	Virtual Enterprise International 5900  <i>Economics and elective focus credit <u>only</u> for students completing a Business Management &amp; Administration, or Marketing Management Program of Studies</i>  Or <u>Business &amp; Entrepreneurship Practicum</u> 6159			DECA	
<b>Entrepreneurship</b>  <b>Franklin</b>	Marketing and Management I Principles 5931  <i>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</i>	Entrepreneurship 5934  <i>Economics and elective focus credit <u>only</u> for students completing a Marketing Management Program of Studies</i>	Work-Based Learning: Career Practicum 6105			DECA	



# 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
<b>Diagnostic Services/ Pre-Med</b>  <b>Franklin Page</b>	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	<u>Clinical Internship</u> 5993  Cardiovascular Services 6131 PHS		HOSA	
<b>Diagnostic Services/ Pre-Med</b>  <b>Independence</b>	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>	<u>Honors Nursing Education</u> 6000 or <u>Clinical Internship</u> 5993	Certified EKG Technician (\$105)	HOSA	
<b>Emergency Services</b>  <b>Fairview Page Ravenwood</b>	Health Science Education 5998	Honors Anatomy & Physiology 5991 FvHS <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i>  Anatomy & Physiology 3251 PHS & RHS <i>Lab Science and elective focus credit only for students completing a Medical Science Program of Studies</i>	Honors Emergency Medical Services 5995	<u>Clinical Internship</u> 5993	Certified Clinical Medical Assistant (\$149) First Responder (\$115)	HOSA	
<b>SPOS</b> <b>Pending 2017-2018 approval</b> <b>Pre-Med / Biomedical Science (PLTW)</b>  <b>Ravenwood</b>	Honors Principles of Biomedical Science 6001	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 Human Body Systems <i>Lab Science and elective focus credit only for students completing the PLTW Biomedical Science Program of Studies</i>	AP Biology 3217 or Honors Medical Interventions	Honors Biomedical Innovations or Honors Medical Interventions		HOSA	AP Chemistry 3225  AP Physics 3238

# Medical Sciences (page 2 of 2)

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<b>Therapeutic Clinical Services</b>  <b>Centennial</b>	Health Science Education 5998	Honors Medical Therapeutics 5999	Pharmacological Science 6133	Honors Anatomy and Physiology 3251 <small>Lab Science and elective focus credit <u>only</u> for students completing a Medical Science Program of Studies</small> Or <u>Clinical Internship</u> 5993	Certified Clinical Medical Assistant (\$149) Certified Patient Care Technician (\$149)	HOSA	
<b>Nursing (Therapeutic Nursing Services)</b>  <b>Centennial</b> <b>Nolensville</b> <b>Page</b> <b>Ravenwood</b>	Health Science Education 5998	Honors Medical Therapeutics 5999	Honors Anatomy and Physiology 3251 <small>Lab Science and elective focus credit <u>only</u> for students completing a Medical Science Program of Studies</small> or <u>Honors Nursing Education</u> 6000	<u>Clinical Internship</u> 5993 Or <u>Honors Nursing Education</u> 6000	Certified Clinical Medical Assistant (\$149) Certified Nursing Assistant (\$80) Certified Patient Care Technician (\$149)	HOSA	
<b>Exercise Physiology / Sports Medicine</b>  <b>Independence</b> <b>Fairview</b> <b>Summit</b>	Health Science Education 5998	Honors Rehabilitation Careers 5990	Honors Anatomy and Physiology 5991 FvHS <small>Lab Science and elective focus credit <u>only</u> for students completing a Medical Science Program of Studies</small> Honors Anatomy and Physiology 3251 IHS <small>Lab Science and elective focus credit <u>only</u> for students completing a Medical Science Program of Studies</small>	<u>Clinical Internship</u> 5993 <small>SHS</small>  Exercise Science 6170 <small>IHS &amp; FvHS</small>			

# 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
<b>SPOS</b> <b>Pending</b> <b>STEM Research:</b> <b>Mechanical Engineering</b>  <b>Brentwood Franklin</b>	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
<b>SPOS</b> <b>Pending</b> <b>STEM Research:</b> <b>Chemical Engineering</b>  <b>Brentwood Franklin</b>	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
<b>SPOS</b> <b>Pending</b> <b>STEM Research:</b> <b>Biomedical Engineering</b>  <b>Brentwood Franklin</b>	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
<b>Engineering by Design</b>  <b>Page</b>	Foundations of Technology (EBD) 5917	Technological Design (EBD) 5885	Advanced Design Applications (EBD) 5920 or Engineering Design (EBD) 5921	Advanced Design Applications (EBD) 5920 or Engineering Design (EBD) 5921	Autodesk Certified User (\$97)	TSA	
<b>Engineering Project Lead the Way</b>  <b>Summit</b>	Honors Introduction to Engineering Design (PLTW) 6054	Honors Principles of Engineering (PLTW) 6052 <small>Lab science and elective focus credit only for students completing an Engineering Project Lead the Way Program of Studies</small>	Honors Civil Engineering (PLTW) 6056 and Honors Digital Electronics (PLTW) 6053	Honors Engineering Design and Development (PLTW) 6059 ** <small>ENGR2100 (MTSU) DE Course Code 4071</small>	Autodesk Certified User (\$97)	SkillsUSA or TSA	
<b>SPOS</b> <b>Unmanned Aerial Systems (UAS)</b>  <b>Nolensville</b>	Principles of Engineering Technology 5924	Honors Unmanned Aerial Systems I 5930	Honors Unmanned Aerial Systems II	<u>Honors Capstone Unmanned Aerial Systems / TV Film</u>		****	

# 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
<b>Automotive Collision Repair</b>  <b>Franklin</b>	Introduction to Collision Repair 6172	Collision Repair: Non-Structural 6062	Collision Repair: Painting & Refinishing 6063	Collision Repair: Damage Analysis, Estimating, & Customer Service 6149	ICAR	SkillsUSA	Service King Internships at level 3 and level 4

# Middle School

Program of Study	Level 1	Level 2	Level 3	Level 4	Credential / Certification	CTSO	Recommended Elective(s), not approved for Elective Focus
<b>Engineering</b> <b>Spring</b> <b>Station</b> <b>Middle</b>	Exploring Engineering (EP) 0982						
<b>STEM</b> <b>Fairview</b> <b>Middle</b>	Exploring Technology (EBD) 6047	Inventions and Innovations (EBD) 0782	Technological Systems (EBD) 0882			TSA	Principles of Manufacturing 5922
<b>TV/Film</b> <b>BMS</b> <b>SMS</b> <b>WMS</b>	TV/Film						