

# CTE Courses by Programs of Study

Advanced CTE Courses\*

Course has a prerequisite^

	9th	10th	11th	12th
<b>Agriculture Food &amp; Natural Resources</b>				
<i>Business &amp; Industry Endorsement</i>				
<p style="text-align: center;"><b>Animal Science</b></p> <hr/> <p style="text-align: center;"><b>Applied Ag Engineering</b></p> <hr/> <p style="text-align: center;"><b>Plant Science</b></p>	<p style="text-align: center;">Principles of Agriculture, Food &amp; Natural Resources</p>	<p style="text-align: center;">Equine Science / Small Animal Management Livestock Production</p> <hr/> <p style="text-align: center;">Ag Mechanics <i>Ag Structures Design &amp; Fabrication*</i></p> <hr/> <p style="text-align: center;">Floral Design I <i>Advanced Floral*</i></p>	<p style="text-align: center;"><i>Veterinary Medical App*</i> <i>Advanced Animal Science*</i></p> <hr/> <p style="text-align: center;"><i>Practicum in Ag*</i> <i>Project Based Research*</i></p>	
<b>Architecture &amp; Construction</b>				
<i>Business &amp; Industry Endorsement</i>				
<p style="text-align: center;"><b>Carpentry</b></p> <hr/> <p style="text-align: center;"><b>Industrial Refrigeration</b></p>	<p style="text-align: center;">Principles of Construction</p>	<p style="text-align: center;"><i>Mill and Cabinetmaking Technology*</i></p> <hr/> <p style="text-align: center;"><i>Industrial Refrigeration I*</i></p>	<p style="text-align: center;"><i>Practicum Construction Technology*</i></p> <hr/> <p style="text-align: center;"><i>Industrial Refrigeration II*</i></p>	
<b>Arts, Audio/Video Technology &amp; Communication</b>				
<i>Business &amp; Industry Endorsement</i>				
<p style="text-align: center;"><b>Digital Communications</b></p> <hr/> <p style="text-align: center;"><b>Design &amp; Multimedia Arts</b></p>	<p style="text-align: center;">Professional Comm Principles of Arts &amp;,A/V Digital Audio Technology^ Audio/Video Production I^</p> <hr/> <p style="text-align: center;">Principles of Arts &amp; A/V Commercial Photography^ Digital Media Video Game Design^</p>	<p style="text-align: center;">Digital Audio Technology Audio/Video Production I <i>A/V Production II*</i></p> <hr/> <p style="text-align: center;">Video Game Design Commercial Photography Graphic Design I Fashion Design I</p>	<p style="text-align: center;"><i>A/V Production II*</i></p> <hr/> <p style="text-align: center;"><i>Game Programming &amp; Design*</i> <i>Animation*</i> <i>Graphic Design II*</i></p>	<p style="text-align: center;"><i>Practicum of Audio/Video*</i></p> <hr/> <p style="text-align: center;"><i>Advanced Video Game Programming*</i> <i>Practicum in Graphic Design*</i></p>
<b>Business Management Administration &amp; Finance</b>				
<i>Business &amp; Industry Endorsement</i>				
<p style="text-align: center;"><b>Accounting &amp; Financial</b></p> <hr/> <p style="text-align: center;"><b>Business Management</b></p> <hr/> <p style="text-align: center;"><b>Entrepreneurship</b></p>	<p style="text-align: center;">Dollars &amp; Sense <i>Accounting I**^</i></p> <hr/> <p style="text-align: center;">Principles of Business, Marketing &amp; Finance <i>Business Information Management I*</i></p> <hr/> <p style="text-align: center;">Entrepreneurship^ <i>Business Information Management II**^</i></p>	<p style="text-align: center;"><i>Accounting I*</i></p> <hr/> <p style="text-align: center;"><i>Business Information Management I*</i></p> <hr/> <p style="text-align: center;">Entrepreneurship</p>	<p style="text-align: center;"><i>Accounting II*</i> <i>Financial Math*</i></p> <hr/> <p style="text-align: center;"><i>Business Information Management II*</i></p> <hr/> <p style="text-align: center;"><i>Practicum in Business Management*</i></p>	
<b>Education &amp; Training</b>				
<i>Public Services Endorsement</i>				
<p style="text-align: center;"><b>Early Learning</b></p> <hr/> <p style="text-align: center;"><b>Teaching &amp; Training</b></p>	<p style="text-align: center;">Principles of Human Services</p> <hr/> <p style="text-align: center;">Principles of Education &amp; Training</p>	<p style="text-align: center;">Child Development</p> <hr/> <p style="text-align: center;">Human Growth and Development</p>	<p style="text-align: center;"><i>Child Guidance*</i></p> <hr/> <p style="text-align: center;"><i>Instructional Practices*</i></p>	<p style="text-align: center;"><i>Practicum in Early Learning*</i></p> <hr/> <p style="text-align: center;"><i>Practicum in Education &amp; Training*</i></p>
<b>Health Science</b>				
<i>Public Services Endorsement</i>				
<p style="text-align: center;"><b>Healthcare Diagnostics</b></p> <hr/> <p style="text-align: center;"><b>Healthcare Therapeutic</b></p> <hr/> <p style="text-align: center;"><b>Medial Therapist</b></p> <hr/> <p style="text-align: center;"><b>Nursing Science</b></p>	<p style="text-align: center;">Principles of Health Science</p>	<p style="text-align: center;">Medical Terminology</p>	<p style="text-align: center;"><i>Health Science Theory/Clinical*</i> <i>Medical Microbiology*</i> <i>Anatomy and Physiology (A&amp;P)* / College A&amp;P I&amp;II*</i> <i>Pharmacology*</i> <i>Pathophysiology*</i> <i>OnRamps Statistics</i> <i>Practicum in Health Science*</i></p>	

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<b>Hospitality &amp; Tourism</b> <i>Business &amp; Industry Endorsement</i>				
<b>Culinary Arts</b>	Lifetime Nutrition & Wellness	<i>Culinary Arts I*</i>	<i>Culinary Arts I*</i> <i>Advanced Culinary Arts*</i>	<i>Advanced Culinary Arts*</i> <i>Practicum in Culinary Arts*</i>
<b>Human Services</b> <i>Public Services Endorsement</i>				
<b>Family &amp; Community Service</b>  <b>Health &amp; Wellness</b>	Principles of Human Services Interpersonal Studies Dollars and Sense Professional Communications Lifetime Nutrition & Wellness		Child Development Human Growth and Development <i>Counseling and Mental Health*</i> <i>Family &amp; Community Service*</i> <i>Practicum in Human Services*</i>	
<b>Information Technology</b> <i>Business &amp; Industry Endorsement</i>				
<b>Web Development</b>	Principles of Information Technology Web Design^ Computer Science- Python^	Web Design Computer Science – Python	<i>Project Based Research*</i> <i>Practicum in Information Technology*</i>	
<b>Law, Public Safety, Corrections &amp; Security</b> <i>Public Services Endorsement</i>				
<b>Law Enforcement</b>	Principles of Law, Public Safety, Corrections & Security	Law Enforcement I	<i>Law Enforcement II*</i> <i>Criminal Investigation*</i> <i>Correctional Services*</i>	<i>Forensic Science*</i> <i>Counseling &amp; Mental Health*</i> <i>Practicum in Law*</i>
<b>Manufacturing</b> <i>Business &amp; Industry Endorsement</i>				
<b>Welding</b>	Introduction to Welding	Welding I	<i>Welding II*</i> <i>Practicum of Manufacturing*</i>	
<b>Science, Technology, Engineering &amp; Mathematics</b> <i>STEM Endorsement</i>				
<b>Engineering</b>  <b>Programming &amp; Software Development</b>	Introduction to Engineering Design (IED)  Principles of Information Technology Computer Science – Python^	Engineering Science Introduction to UAV (Drones)  Computer Science – Python <i>Computer Science - Java*</i>	<i>Engineering Design &amp; Development* (EDD)</i> <i>Engineering Design &amp; Presentation I* (Robotics)</i> <i>Engineering Design &amp; Problem Solving* (Robotics II)</i>  <i>Computer Science - Java*</i> <i>OnRamps Computer Science*</i> <i>Introduction to C# Programming Applications*</i> <i>Project Based Research*</i> <i>Practicum in Information Technology*</i>	
<b>Transportation, Distribution &amp; Logistics</b> <i>Business &amp; Industry Endorsement</i>				
<b>Automotive</b>	Automotive Basics	<i>Automotive Technology I*</i>	<i>Automotive Technology II*</i> <i>Practicum of Transportation*</i>	