

**Assignment Codes updated as of May 22, 2026. Minimal additional updates may still be made. The document name will be updated with most recent edit date.**

**While the below assignment codes do not include non-traditional licensing listings, schools may access information on non-traditional deliver methods using the provided guidance. [Access guidance here.](#)**

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Advanced Manufacturing	7108	Principles of Advanced Manufacturing	Advanced Manufacturing	PRIN ADV MAN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial ArtsK-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Automation 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Automation &amp; Robotics 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics 9-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> </ul>
Biotechnology	7340	Principles of Biotechnology	Advanced Manufacturing	PRIN BIOTECH	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Life Science 5-12</li> <li>Chemistry 5-12</li> <li>CTE: Trade &amp; Industrial: Biotechnology</li> <li>Workplace Specialist: Biotechnology</li> </ul>
Biotechnology	7341	Biotech Manufacturing	Advanced Manufacturing	BIOTECH MANF	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Life Science 5-12</li> <li>Chemistry 5-12</li> <li>CTE: Trade &amp; Industrial: Biotechnology</li> <li>Workplace Specialist: Biotechnology</li> </ul>
Biotechnology	7342	Biotech Regulatory Affairs	Advanced Manufacturing	BIOTECH REG AFF	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Life Science 5-12</li> <li>Chemistry 5-12</li> <li>CTE: Trade &amp; Industrial: Biotechnology</li> <li>Workplace Specialist: Biotechnology</li> </ul>
Biotechnology	7343	Advanced Biotech Manufacturing	Advanced Manufacturing	ADV BIOTECH MANF	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Life Science 5-12</li> <li>Chemistry 5-12</li> <li>CTE: Trade &amp; Industrial: Biotechnology</li> <li>Workplace Specialist: Biotechnology</li> </ul>
Biotechnology	7324	Biotechnology Capstone	Advanced Manufacturing	BIOTECH CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Life Science 5-12</li> <li>Chemistry 5-12</li> <li>CTE: Trade &amp; Industrial: Biotechnology</li> <li>Workplace Specialist: Biotechnology</li> </ul>
Design Technology	7196	Mechanical and Architectural Design	Advanced Manufacturing	ARCT DES	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Standard Trade &amp; Industrial: Drafting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Engineering 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>CTE: Trade &amp; Industrial Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Workplace Specialist: Architectural Drafting 9-12</li> <li>Workplace Specialist: Architectural Engineering 9-12</li> <li>CTE: Trade &amp; Industrial: Architecture 5-12</li> <li>Workplace Specialist: Architecture 9-12</li> </ul>
Design Technology	7202	Manufacturing Principles and Design	Advanced Manufacturing	PRIN DES TECH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>CTE: Trade &amp; Industrial: Drafting 5-12</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design 9-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Technology Education 5-12</li> </ul>
Design Technology	7223	Mechanical Design Capstone	Advanced Manufacturing	MECH DES CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>CTE: Trade &amp; Industrial: Drafting 5-12</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design 9-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Technology Education 5-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Design Technology	7197	BIM Architecture	Advanced Manufacturing	BIM ARCH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Technology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education 5-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>Workplace Specialist: Architectural Drafting 9-12</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design 9-12</li> <li>CTE: Trade &amp; Industrial: Architecture 5-12</li> <li>Workplace Specialist: Architecture 9-12</li> <li>Technology Education 5-12</li> </ul>
Design Technology	7225	Architectural Design Capstone	Advanced Manufacturing	ARCH DES CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Technology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education 5-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>Workplace Specialist: Architectural Drafting 9-12</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design 9-12</li> <li>CTE: Trade &amp; Industrial: Architecture 5-12</li> <li>Workplace Specialist: Architecture 9-12</li> <li>Technology Education 5-12</li> </ul>
Electronics and Computer Technology	7361	Electronic Fundamentals	Advanced Manufacturing	ELEC FUND	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Electronics Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Electronics Technology 9-12</li> <li>Occupational Specialist I, II or III: Electronics Technology or Industrial Electronics 9-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Electronics Technology</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Electronics Technology 5-12</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics 9-12</li> <li>Technology Education 5-12</li> </ul>
Electronics and Computer Technology	7362	Electronics and Computer Technology Capstone	Advanced Manufacturing	ECT CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Electronics Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Electronics Technology 9-12</li> <li>Occupational Specialist I, II or III: Electronics Technology or Industrial Electronics 9-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Electronics Technology</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Electronics Technology 5-12</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics 9-12</li> <li>Technology Education 5-12</li> </ul>
Electronics and Computer Technology	7098	Semiconductor Fabrication Capstone	Advanced Manufacturing	SEV MFG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Electronics Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Standard Trade &amp; Industrial: Drafting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Standard Trade &amp; Industrial: Electronics Technology 9-12</li> <li>Occupational Specialist I, II, or III: Electronics Technology or Industrial Electronics 9-12</li> <li>Occupational Specialist I, II, or III: Drafting</li> <li>Occupational Specialist I, II, or III: Engineering 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Electronics Technology</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Electronics Technology 5-12</li> <li>CTE: Trade &amp; Industrial: Engineering 5-12</li> <li>CTE Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Electronics Technology or Industrial Electronics 9-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Workplace Specialist: Architectural Engineering 9-12</li> </ul>
Engineering	5644	Principles of Engineering	Advanced Manufacturing	PRNC ENG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Engineering	5518	Aerospace Engineering	Advanced Manufacturing	AERO ENG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Engineering	5650	Civil Engineering and Architecture	Advanced Manufacturing	CIVIL ENG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Civil-Architectural Engineering 9-12</li> <li>Occupational Specialist I, II or III: Civil-Architectural Engineering 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Civil-Architectural Engineering Workplace Specialist: Civil-Architectural Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Civil-Architectural Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Engineering	5534	Computer Integrated Manufacturing	Advanced Manufacturing	COMP INT MFG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Engineering	4818	Environmental Sustainability	Advanced Manufacturing	ENV SUS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Biology 7-12</li> <li>Earth Science 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Engineering 9-12</li> <li>Conservation &amp; Environmental Studies 9-12</li> <li>Biology 9-12</li> <li>Earth/Space Science 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology education with a high school setting</li> <li>CTE Trade &amp; Industrial: Engineering</li> <li>A Workplace Specialist: Biotechnology Engineering</li> <li>Earth/Space Science with a high school setting</li> <li>Life Science with a high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Technology education 5-12</li> <li>CTE Trade &amp; Industrial: Engineering</li> <li>A Workplace Specialist: Biotechnology Engineering</li> <li>Earth/Space Science 5-12</li> <li>Life Science 5-12</li> </ul>
Engineering	5698	Engineering Design and Development	Advanced Manufacturing	ENG DES DEV	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial: Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Engineering; Design Technology	4802	Introduction to Engineering Design	Advanced Manufacturing	INT ENG DES	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Standard Trade &amp; Industrial: Drafting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Engineering 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial: Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Workplace Specialist: Architectural Drafting 9-12</li> <li>Workplace Specialist: Architectural Engineering 9-12</li> <li>CTE: Trade &amp; Industrial: Architecture 5-12</li> <li>Workplace Specialist: Architecture 9-12</li> </ul>
Engineering; Electronics and Computer Technology	5538	Digital Electronics	Advanced Manufacturing	DIG ELEC	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Digital Electronics Technology</li> <li>Occupational Specialist I, II or III: Electronics Technology 9-12 or Industrial Electronics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Digital Electronics Technology</li> <li>Workplace Specialist: Electronics Technology 9-12 or Industrial Electronics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial: Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Electronics Technology 9-12 or Industrial Electronics 9-12</li> </ul>
Industrial Maintenance	7103	Advanced Manufacturing Technology	Advanced Manufacturing	ADV MAN TECH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial ArtsK-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Automation 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Automation &amp; Robotics 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics 9-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> </ul>
Industrial Maintenance - Automation / Robotics	7106	Mechatronics Systems	Advanced Manufacturing	MECH SYS	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial ArtsK-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Automation 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Automation &amp; Robotics 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics 9-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Industrial Maintenance - Automation / Robotics	7224	Industrial Automation and Robotics Capstone	Advanced Manufacturing	AUTO ROB CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Automation 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Automation &amp; Robotics 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics 9-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> </ul>
Industrial Maintenance - Electrical	7102	Industrial Electrical Fundamentals	Advanced Manufacturing	IND ELC FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial Arts K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>CTE: Trade &amp; Industry: Electrician 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> <li>Workplace Specialist: Electrical 9-12</li> </ul>
Industrial Maintenance - Electrical	7260	Industrial Electrical Capstone	Advanced Manufacturing	IND ELEC CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial Arts K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing 5-12</li> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>CTE: Trade &amp; Industry: Electrician 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> <li>Workplace Specialist: Electrical 9-12</li> </ul>
Industrial Maintenance - Mechanical	7104	Industrial Maintenance Fundamentals	Advanced Manufacturing	IND MAIN FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> <li>Technology Education 5-12</li> </ul>
Industrial Maintenance - Mechanical	7261	Industrial Maintenance Capstone	Advanced Manufacturing	IND MAINT CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Industrial Repair &amp; Maintenance 9-12</li> <li>Occupational Specialist I, II or III: Industrial Repair &amp; Maintenance 9-12</li> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Industrial Repair &amp; Maintenance 5-12</li> <li>Workplace Specialist: Industrial Repair &amp; Maintenance 9-12</li> <li>Technology Education 5-12</li> </ul>
Industry 4.0 - Smart Manufacturing	7220	Principles of Industry 4.0 and Digital Manufacturing	Advanced Manufacturing	PRIN DIG MANF	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II, or III: Engineering</li> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Workplace Specialist: Engineering or Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> </ul>
Industry 4.0 - Smart Manufacturing	4728	Robotics Design and Innovation	Advanced Manufacturing	RDI	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II, or III: Engineering</li> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Workplace Specialist: Engineering or Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Industry 4.0 - Smart Manufacturing	7100	Smart Manufacturing Systems	Advanced Manufacturing	DIG MAN SYS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II, or III: Engineering</li> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Workplace Specialist: Engineering or Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> </ul>
Industry 4.0 - Smart Manufacturing	7222	Industry 4.0 - Smart Manufacturing Capstone	Advanced Manufacturing	DIG MANF CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Occupational Specialist I, II or III: Industrial Automation 9-12</li> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Industrial Automation &amp; Robotics 9-12</li> <li>Technology Education 5-12</li> </ul>
Precision Machining	7109	Principles of Precision Machining	Advanced Manufacturing	PRIN PREC MACH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop 9-12</li> <li>Occupational Specialist I, II or III: Machine Shop 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Precision Machine Technology</li> <li>Workplace Specialist: Precision Machine Technology</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Precision Machine Technology 5-12</li> <li>Workplace Specialist: Precision Machining 9-12</li> <li>Technology Education 5-12</li> </ul>
Precision Machining	7105	Precision Machining Fundamentals	Advanced Manufacturing	MACH FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop 9-12</li> <li>Occupational Specialist I, II or III: Machine Shop 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Precision Machine Technology</li> <li>Workplace Specialist: Precision Machine Technology</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Precision Machine Technology 5-12</li> <li>Workplace Specialist: Precision Machining 9-12</li> <li>Technology Education 5-12</li> </ul>
Precision Machining	7107	Advanced Precision Machining	Advanced Manufacturing	PREC MACH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop 9-12</li> <li>Occupational Specialist I, II or III: Machine Shop 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Precision Machine Technology</li> <li>Workplace Specialist: Precision Machine Technology</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Precision Machine Technology 5-12</li> <li>Workplace Specialist: Precision Machining 9-12</li> <li>Technology Education 5-12</li> </ul>
Precision Machining	7219	Precision Machining Capstone	Advanced Manufacturing	PREC MACH CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop K-12</li> <li>Industrial Arts 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Machine Shop 9-12</li> <li>Occupational Specialist I, II or III: Machine Shop 9-12</li> <li>Industrial Education K-12</li> <li>Industrial Technology K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Precision Machine Technology</li> <li>Workplace Specialist: Precision Machine Technology</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Precision Machine Technology 5-12</li> <li>Workplace Specialist: Precision Machining 9-12</li> <li>Technology Education 5-12</li> </ul>
Welding Technology	7110	Principles of Welding Technology	Advanced Manufacturing	PRIN WEL TCH	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting 9-12</li> <li>Occupational Specialist I, II or III: Welding &amp; Cutting 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Welding Technology</li> <li>Workplace Specialist: Welding Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Welding 5-12</li> <li>Workplace Specialist: Welding 9-12</li> </ul>
Welding Technology	7111	Shielded Metal Arc Welding	Advanced Manufacturing	SHLD MAW	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting 9-12</li> <li>Occupational Specialist I, II or III: Welding &amp; Cutting 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Welding Technology</li> <li>Workplace Specialist: Welding Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Welding 5-12</li> <li>Workplace Specialist: Welding 9-12</li> </ul>
Welding Technology	7101	Gas Welding Processes	Advanced Manufacturing	GAS WEL PRC	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting 9-12</li> <li>Occupational Specialist I, II or III: Welding &amp; Cutting 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Welding Technology</li> <li>Workplace Specialist: Welding Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Welding 5-12</li> <li>Workplace Specialist: Welding 9-12</li> </ul>
Welding Technology	7226	Welding Technology Capstone	Advanced Manufacturing	WELD TECH CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Welding &amp; Cutting 9-12</li> <li>Occupational Specialist I, II or III: Welding &amp; Cutting 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Welding Technology</li> <li>Workplace Specialist: Welding Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Welding 5-12</li> <li>Workplace Specialist: Welding 9-12</li> </ul>
	6146	Advanced Career & Technical Education, College Credit: Advanced Manufacturing	Advanced Manufacturing	ADV CTE CC AATC	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Technology Education 5-12</li> </ul>
	4880	Advanced Manufacturing: Special Topics	Advanced Manufacturing	ADV MFTG ST	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Manufacturing K-12</li> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Engineering or Manufacturing 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Manufacturing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Engineering or Manufacturing</li> <li>Workplace Specialist: Engineering or Manufacturing</li> <li>Technology Education with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Engineering or Manufacturing 5-12</li> <li>Workplace Specialist: Advanced Manufacturing 9-12</li> <li>Technology Education 5-12</li> </ul>
	4796	Introduction to Advanced Manufacturing	Advanced Manufacturing	INT ADV MFTG	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	4788	Engineering and Technology: Special Topics	Advanced Manufacturing	ENG TECH ST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
	7199	Engineering Essentials	Advanced Manufacturing	ENG ESS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Standard Trade &amp; Industrial: Drafting K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Standard Trade &amp; Industrial: Drafting 9-12</li> <li>Occupational Specialist I, II or III: Drafting 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III: Engineering 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD)</li> <li>Workplace Specialist: Drafting &amp; Computer Aided Design (CAD)</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial: Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>CTE: Trade &amp; Industrial: Drafting &amp; Computer Aided Design (CAD) 5-12</li> <li>Workplace Specialist: Mechanical Drafting 9-12</li> <li>Workplace Specialist: Architectural Drafting 9-12</li> <li>Workplace Specialist: Architectural Engineering 9-12</li> <li>CTE: Trade &amp; Industrial: Architecture 5-12</li> <li>Workplace Specialist: Architecture 9-12</li> </ul>
	4800	Computers in Design & Production	Advanced Manufacturing	COMP DES	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Computers in Design &amp; Production</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist: Computers in Design &amp; Production</li> </ul>
	4794	Introduction to Design Processes	Advanced Manufacturing	INT DES PRO	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II, or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Ag Mechanical and Engineering	5088	Agriculture Power, Structure, and Technology	Agriculture	AG POW	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Agriculture Mechanics</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Power, Structure &amp; Technology 9-12</li> </ul>
Ag Mechanical and Engineering	7112	Agriculture Structures Fabrication and Design	Agriculture	AG ST FAB DES	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Agriculture Mechanics</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Power, Structure &amp; Technology 9-12</li> </ul>
Ag Mechanical and Engineering	7228	Agriculture Mechanization and Technology Capstone	Agriculture	AG MECH CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Agriculture Mechanics</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Power, Structure &amp; Technology 9-12</li> </ul>
Agriculture	7238	Agribusiness Capstone	Agriculture	AG BUS CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Agribusiness Management</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Agribusiness 9-12</li> </ul>
Agriculture	7117	Principles of Agriculture	Agriculture	PRIN AG	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Occupational Specialist I, II, or III in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Agribusiness Management</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 9-12</li> <li>Workplace Specialist: Agribusiness 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>
Agriscience	5008	Animal Science	Agriculture	ANML SCI	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Animal Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Animal Science 9-12</li> </ul>
Agriscience	5170	Plant and Soil Science	Agriculture	PLT SL SCI	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Plant &amp; Soil Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Plant &amp; Soil Science 9-12</li> </ul>
Agriscience	5074	Advanced Life Science, Plants and Soils (L)	Agriculture	ALS PLT/SL	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Science/Biology 9-12</li> <li>Workplace Specialist: Agriculture Education in Plant &amp; Soil Science</li> </ul>	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Standard Agriculture license</li> <li>Biology 9-12</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> <li>Workplace Specialist: Agriculture Education in Plant &amp; Soil Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Life Science with high school setting</li> <li>Workplace Specialist: Agriculture Education in Plant &amp; Soil Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Life Science 5-12</li> <li>Workplace Specialist: Plant &amp; Soil Science 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Agriscience	5072	Advanced Life Science: Foods	Agriculture	ALS FOODS	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Home Economics K-12</li> <li>Workplace Specialist: Agriculture Education in Food Science</li> </ul>	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Standard Agriculture license</li> <li>Consumer Homemaking Education K-12</li> <li>Occupational Education (FACS) K-12</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> <li>Workplace Specialist: Agriculture Education in Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Agriculture Education in Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>CTE: Family and Consumer Sciences 5-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
Agriscience	5102	Food Science	Agriculture	FOOD SCI	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> <li>Consumer Homemaking Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Food Science</li> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Food Science 9-12</li> <li>CTE: Family &amp; Consumer Sciences 5-12</li> </ul>
Agriscience	7230	Agriculture Biotechnology Capstone	Agriculture	AG BIO CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Science/Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Standard Agriculture license</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Life Science 5-12</li> </ul>
Agriscience; Agriculture	7262	Agricultural Research Capstone	Agriculture	AG RES CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Science/Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Standard Agriculture license</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Life Science 5-12</li> </ul>
Agriscience; Veterinary Science	5070	Advanced Life Science, Animals (L)	Agriculture	ALS ANIML	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Science/Biology 9-12</li> <li>Workplace Specialist: Agriculture Education in Animal Science</li> </ul>	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> <li>Any Standard Agriculture license</li> <li>Biology 9-12</li> <li>Any Occupational Specialist I, II, or III: Agriculture 9-12</li> <li>Workplace Specialist: Agriculture Education in Animal Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Life Science with high school setting</li> <li>Workplace Specialist: Veterinary</li> <li>Workplace Specialist: Agriculture Education in Animal Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Life Science 5-12</li> <li>Workplace Specialist: Veterinary</li> <li>Workplace Specialist: Animal Science 9-12</li> </ul>
Horticulture	5132	Horticultural Science	Agriculture	HORT SCI	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Ornamental Horticulture License 9-12</li> <li>Any Standard Agriculture license</li> <li>Occupational Specialist I, II, or III: Ornamental Horticulture 9-12</li> <li>Agribusiness Horticulture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Horticultural Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Horticultural Science 9-12</li> </ul>
Horticulture	7114	Greenhouse and Soilless Production	Agriculture	GRN S PROD	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Ornamental Horticulture License 9-12</li> <li>Any Standard Agriculture license</li> <li>Occupational Specialist I, II, or III: Ornamental Horticulture 9-12</li> <li>Agribusiness Horticulture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Horticultural Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Horticultural Science 9-12</li> </ul>
Horticulture	7232	Horticulture Capstone	Agriculture	HORT CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Ornamental Horticulture License 9-12</li> <li>Any Standard Agriculture license</li> <li>Occupational Specialist I, II, or III: Ornamental Horticulture 9-12</li> <li>Agribusiness Horticulture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Horticultural Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Horticultural Science 9-12</li> </ul>
Landscaping	7115	Landscape and Turf Management	Agriculture	LAND TUR MAN	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Landscape Management</li> <li>Workplace Specialist: Ornamental Horticulture</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Landscape Management 9-12</li> <li>Workplace Specialist: Ornamental Horticulture 9-12</li> </ul>
Landscaping	7234	Landscape Management Capstone	Agriculture	LANDSC MGMT CAP	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Landscape Management</li> <li>Workplace Specialist: Ornamental Horticulture</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Landscape Management 9-12</li> <li>Workplace Specialist: Ornamental Horticulture 9-12</li> </ul>
Precision Agriculture	7116	Precision Agriculture	Agriculture	PREC AG	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Occupational Specialist I, II, or III in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 9-12</li> <li>Workplace Specialist: Plant &amp; Soil Science 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>
Precision Agriculture	7113	Crop Management	Agriculture	CROP MAN	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9-12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Plant &amp; Soil Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Plant &amp; Soil Science 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Precision Agriculture	7236	Precision Agriculture Capstone	Agriculture	PREC AG CAP	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Any Agribusiness License 9-12</li> <li>• Any Standard Agriculture license</li> <li>• Occupational Specialist I, II, or III in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 9-12</li> <li>• Workplace Specialist: Plant &amp; Soil Science 9-12</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>
Veterinary Science	7280	Principles of Veterinary Science	Agriculture	PRIN VET SCI	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary 9-12</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>
Veterinary Science	7281	Veterinary Science	Agriculture	VET SCI	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary 9-12</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>
Veterinary Science	7282	Veterinary Science Capstone	Agriculture	VET SCI CAP	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• No license available</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>	<ul style="list-style-type: none"> <li>• Workplace Specialist: Veterinary 9-12</li> <li>• CTE: Agriculture with Veterinary Experience</li> </ul>
Water Systems - Utilities	7381	Principles of Public Water Systems	Agriculture	PRIN WATER SYS	<ul style="list-style-type: none"> <li>• Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology 9-12</li> <li>• Industrial Education K-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• CTE:T&amp;I: Public Water System Technician</li> <li>• Workplace Specialist: Public Water System Technician</li> </ul>
Water Systems - Utilities	7382	Water Systems Fundamentals	Agriculture	WATER SYS FUND	<ul style="list-style-type: none"> <li>• Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology 9-12</li> <li>• Industrial Education K-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• CTE:T&amp;I: Public Water System Technician</li> <li>• Workplace Specialist: Public Water System Technician</li> </ul>
Water Systems - Utilities	7383	Advanced Water Systems	Agriculture	ADV WATER SYS	<ul style="list-style-type: none"> <li>• Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology 9-12</li> <li>• Industrial Education K-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• CTE:T&amp;I: Public Water System Technician</li> <li>• Workplace Specialist: Public Water System Technician</li> </ul>
Water Systems - Utilities	7384	Water Systems Capstone	Agriculture	WATER SYS CAP	<ul style="list-style-type: none"> <li>• Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology 9-12</li> <li>• Industrial Education K-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• CTE:T&amp;I: Public Water System Technician</li> <li>• Workplace Specialist: Public Water System Technician</li> </ul>
	6150	Agriculture: Special Topics	Agriculture	AG ST	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Any Standard Agriculture license</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 5-12</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>
	6130	Advanced Career & Technical Education, College Credit: Agriculture	Agriculture	ADV CTE CC AG	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Any Standard Agriculture license</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 5-12</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>
	5056	Introduction to Agriculture, Food, and Natural Resources	Agriculture	INT AGFNR	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Any Agribusiness License 9-12</li> <li>• Any Standard Agriculture license</li> <li>• Occupational Specialist I, II, or III in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 9-12</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway with a balance of all Agriculture relatable subject matter</li> </ul>
	5228	Supervised Agricultural Experience (SAE)	Agriculture	SAE	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Any Standard Agriculture license</li> <li>• Occupational Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 5-12</li> <li>• Workplace Specialist in related course approved for an Agriculture pathway</li> </ul>
Digital Design	7140	Principles of Digital Design	Arts, Entertainment & Design	PRIN DIG DES	<ul style="list-style-type: none"> <li>• Business Education with Vocational Business Endorsement 7-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education with Vocational Business Endorsement 9-12</li> <li>• Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business IT: Interactive Media</li> <li>• CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization</li> <li>• Business with high school setting</li> <li>• Workplace Specialist: 3D Computer Animation &amp; Visualization</li> <li>• Workplace Specialist: Interactive Media</li> <li>• Workplace Specialist: Graphic Imaging Technology</li> <li>• CTE: Trade &amp; Industrial Photography 5-12</li> <li>• Workplace Specialist: Commercial Photography 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization 5-12</li> <li>• CTE: Trade &amp; Industrial Graphic Arts 5-12</li> <li>• CTE: Trade &amp; Industrial: Graphic Imaging Technology 5-12</li> <li>• Workplace Specialist: Interactive Media 9-12</li> <li>• Business 5-12</li> <li>• Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>• Workplace Specialist: Graphic Design &amp; Layout 9-12</li> <li>• Workplace Specialist: 3D Computer Animation &amp; Visualization 9-12</li> <li>• CTE: Trade &amp; Industrial Photography 5-12</li> <li>• Workplace Specialist: Commercial Photography 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Digital Design	7141	Digital Design Graphics	Arts, Entertainment & Design	DIG DES GRAPH	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Interactive Media</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization</li> <li>Business with high school setting</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization</li> <li>Workplace Specialist: Interactive Media</li> <li>Workplace Specialist: Graphic Imaging Technology</li> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization 5-12</li> <li>CTE: Trade &amp; Industrial Graphic Arts 5-12</li> <li>CTE: Trade &amp; Industrial: Graphic Imaging Technology 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Business 5-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Graphic Design &amp; Layout 9-12</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization 9-12</li> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>
Digital Design	5550	Graphic Design and Layout	Arts, Entertainment & Design	GRAPH DES LT	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 7-12</li> <li>Standard Trade &amp; Industrial: Commercial Art K-12</li> <li>Standard Trade &amp; Industrial: Graphic Arts</li> <li>Printing K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> <li>Standard Trade &amp; Industrial: Commercial Art 9-12</li> <li>Occupational Specialist I, II or III: Commercial Art 9-12</li> <li>Standard Trade &amp; Industrial: Graphic Arts 9-12</li> <li>Occupational Specialist I, II or III: Graphic Arts 9-12</li> <li>Trade &amp; Industrial: Printing 9-12</li> <li>Occupational Specialist I, II or III: Printing 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Interactive Media</li> <li>CTE: Trade &amp; Industrial: Commercial Art &amp; Graphic Design</li> <li>Workplace Specialist: Commercial Art &amp; Graphic Design</li> <li>CTE: Trade &amp; Industrial: Graphic Imaging Technology</li> <li>Workplace Specialist: Graphic Imaging Technology</li> <li>Workplace Specialist: Interactive Media</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Trade &amp; Industrial Graphic Arts 5-12</li> <li>CTE: Trade &amp; Industrial: Graphic Imaging Technology 5-12</li> <li>Workplace Specialist: Graphic Design &amp; Layout 9-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> </ul>
Digital Design	7138	Interactive Media Design	Arts, Entertainment & Design	IN MED DES	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Interactive Media</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization</li> <li>Business with high school setting</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization</li> <li>Workplace Specialist: Interactive Media</li> <li>Workplace Specialist: Graphic Imaging Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization 5-12</li> <li>CTE: Trade &amp; Industrial Graphic Arts 5-12</li> <li>CTE: Trade &amp; Industrial: Graphic Imaging Technology 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Business 5-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Graphic Design &amp; Layout 9-12</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization 9-12</li> </ul>
Digital Design	7136	Professional Photography & Videography	Arts, Entertainment & Design	PRO PHOTO/VID	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Commercial Photography K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Commercial Photography 9-12</li> <li>Occupational Specialist I, II or III: Commercial Photography 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Commercial Photography</li> <li>Workplace Specialist: Commercial Photography</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Digital Design	7246	Digital Design Capstone	Arts, Entertainment & Design	DIG DES CAP	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Interactive Media</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization</li> <li>Business with high school setting</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization</li> <li>Workplace Specialist: Interactive Media</li> <li>Workplace Specialist: Graphic Imaging Technology</li> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization 5-12</li> <li>CTE: Trade &amp; Industrial Graphic Arts 5-12</li> <li>CTE: Trade &amp; Industrial: Graphic Imaging Technology 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Business 5-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Graphic Design &amp; Layout 9-12</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization 9-12</li> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>
Fashion & Textile	7301	Principles of Fashion and Textiles	Arts, Entertainment & Design	PRIN FASH TEXT	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Fashion & Textile	7302	Textiles, Apparel, and Merchandising	Arts, Entertainment & Design	TEXT APP MERCH	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Fashion & Textile	7303	Advanced Textiles	Arts, Entertainment & Design	ADV TEXT	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Fashion & Textile	7304	Fashion and Textiles Capstone	Arts, Entertainment & Design	FASH TEXT CAP	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Interior Design	7132	Principles of Interior Design	Arts, Entertainment & Design	PRIN INT DES	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Institutional &amp; Home Management 9-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Housing Occupations</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Interior Design 5-12</li> <li>Workplace Specialist: Interior Design &amp; Housing 9-12</li> <li>Workplace Specialist: Building Trades/Construction 9-12</li> </ul>
Interior Design	7127	Interior Design Fundamentals	Arts, Entertainment & Design	INT DES FUN	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Institutional &amp; Home Management 9-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Housing Occupations</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Interior Design 5-12</li> <li>Workplace Specialist: Interior Design &amp; Housing 9-12</li> <li>Workplace Specialist: Building Trades/Construction 9-12</li> </ul>
Interior Design	7128	Materials, Finishes, and Design	Arts, Entertainment & Design	MAT FIN DES	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Institutional &amp; Home Management 9-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Housing Occupations</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Interior Design 5-12</li> <li>Workplace Specialist: Interior Design &amp; Housing 9-12</li> <li>Workplace Specialist: Building Trades/Construction 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Interior Design	7248	Interior Design Capstone	Arts, Entertainment & Design	INT DES CAP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Institutional &amp; Home Management 9-12</li> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Housing Occupations</li> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Interior Design 5-12</li> <li>Workplace Specialist: Interior Design &amp; Housing 9-12</li> <li>Workplace Specialist: Building Trades/Construction 9-12</li> </ul>
Radio & TV Broadcasting	7139	Principles of Broadcasting	Arts, Entertainment & Design	PRIN BROAD	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Industrial Arts 7-12, K-12</li> <li>English 7-12 and work experience in communications/media</li> <li>Journalism 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Occupational Specialist: Marketing: Radio &amp; Television 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>English 9-12 and work experience in communications/media</li> <li>Journalism 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Marketing: Radio/TV/Telecommunications</li> <li>Technology Education with high school setting</li> <li>Language Arts with high school setting and work experience in communications/media</li> <li>Journalism with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Radio &amp; TV 9-12</li> <li>Technology Education 5-12</li> <li>Journalism 5-12</li> <li>Language Arts 5-12 and work experience in communications/media</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>CTE: Trade &amp; Industrial: Interactive Media 5-12</li> <li>CTE: Trade &amp; Industrial: Radio &amp; TV 5-12</li> </ul>
Radio & TV Broadcasting	7306	Audio and Video Production Essentials	Arts, Entertainment & Design	AUD VID PROD	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Industrial Arts 7-12, K-12</li> <li>English 7-12 and work experience in communications/media</li> <li>Journalism 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Occupational Specialist: Marketing: Radio &amp; Television 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>English 9-12 and work experience in communications/ media</li> <li>Journalism 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Marketing: Radio/TV/Telecommunications</li> <li>Technology Education with high school setting</li> <li>Language Arts with high school setting and work experience in communications/media</li> <li>Journalism with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Radio &amp; TV 9-12</li> <li>Technology Education 5-12</li> <li>Journalism 5-12</li> <li>Language Arts 5-12 and work experience in communications/media</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>CTE: Trade &amp; Industrial: Interactive Media 5-12</li> <li>CTE: Trade &amp; Industrial: Radio &amp; TV 5-12</li> </ul>
Radio & TV Broadcasting	7307	Mass Media Production	Arts, Entertainment & Design	MASS MED PROD	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Industrial Arts 7-12, K-12</li> <li>English 7-12 and work experience in communications/media</li> <li>Journalism 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Occupational Specialist: Marketing: Radio &amp; Television 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>English 9-12 and work experience in communications/media</li> <li>Journalism 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Marketing: Radio/TV/Telecommunications</li> <li>Technology Education with high school setting</li> <li>Language Arts with high school setting and work experience in communications/media</li> <li>Journalism with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Radio &amp; TV 9-12</li> <li>Technology Education 5-12</li> <li>Journalism 5-12</li> <li>Language Arts 5-12 and work experience in communications/media</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>CTE: Trade &amp; Industrial: Interactive Media 5-12</li> <li>CTE: Trade &amp; Industrial: Radio &amp; TV 5-12</li> </ul>
Radio & TV Broadcasting	7141	Radio & TV Broadcasting Capstone	Arts, Entertainment & Design	RAD TV BROAD CAP	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Industrial Arts 7-12, K-12</li> <li>English 7-12 and work experience in communications/media</li> <li>Journalism 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Radio &amp; Television 9-12</li> <li>Occupational Specialist: Marketing: Radio &amp; Television 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>English 9-12 and work experience in communications/ media</li> <li>Journalism 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Marketing: Radio/TV/Telecommunications</li> <li>Technology Education with high school setting</li> <li>Language Arts with high school setting and work experience in communications/media</li> <li>Journalism with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Specialist: Radio &amp; TV 9-12</li> <li>Technology Education 5-12</li> <li>Journalism 5-12</li> <li>Language Arts 5-12 and work experience in communications/media</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>CTE: Trade &amp; Industrial: Interactive Media 5-12</li> <li>CTE: Trade &amp; Industrial: Radio &amp; TV 5-12</li> </ul>
	6134	Advanced Career & Technical Education, College Credit: Arts, Entertainment, & Design	Arts, Entertainment & Design	ADV CTE CC AATC	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Appropriate Vocational license</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course</li> </ul>
	4576	Arts, Entertainment, and Design: Special Topics	Arts, Entertainment & Design	AAVTC ST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Appropriate Vocational license</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course</li> </ul>
	4834	Design Fundamentals	Arts, Entertainment & Design	DES FUND	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>Arts &amp; Crafts 7-12, K-12</li> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Visual Arts 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: FACS with high school setting</li> <li>Fine Arts: Visual Arts with high school setting</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Workplace Specialist: Radio and TV 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: FACS 5-12</li> <li>Fine Arts: Visual Arts 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Workplace Specialist: Radio &amp; TV 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	4790	Introduction to Communications	Arts, Entertainment & Design	INT COMM	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>English 7-12 and work experience in communications/media</li> <li>Journalism 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>English 9-12 and work experience in communications/media</li> <li>Journalism 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Language Arts with high school setting and work experience in communications/media</li> <li>Journalism with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Journalism 5-12</li> <li>Language Arts 5-12 and work experience in communications/media</li> </ul>
Business Administration	4562	Principles of Business Management	Business Management	PRIN BUS	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Business Administration	7143	Management Fundamentals	Business Management	MGMT FUND	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Business Administration	4524	Accounting Fundamentals	Business Management	ACCT FUND	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Accounting &amp; Finance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Business Administration	7256	Business Administration Capstone	Business Management	BUS ADMIN CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Business Operations and Technology	7153	Principles of Business Operations and Technology	Business Management	PRIN BUS OP TECH	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> </ul>
Business Operations and Technology	7144	Business Office Communications	Business Management	BUS OFF COMM	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> </ul>
Business Operations and Technology	7146	Digital Data Applications	Business Management	DGTL REC KEEP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> </ul>
Business Operations and Technology	7254	Business Operations and Technology Capstone	Business Management	BUS OPER CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Entrepreneurship	7201	Small Business Operations Capstone	Business Management	BUS MGMT CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	4518	Introduction to Business	Business Management	INTO BUSS	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Building and Facilities Maintenance	7285	Building and Facilities Maintenance Fundamentals	Construction	BLDG FAC MAINT FUND	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance 9-12</li> <li>Occupational Specialist I, II or III: Building Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Facilities &amp; Maintenance</li> <li>Workplace Specialist: Building Facilities &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Maintenance 5-12</li> <li>Workplace Specialist: Facilities Management &amp; Maintenance 9-12</li> </ul>
Building and Facilities Maintenance	7286	Advanced Building and Facilities Maintenance	Construction	ADV BLDG FAC MAINT	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance 9-12</li> <li>Occupational Specialist I, II or III: Building Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Facilities &amp; Maintenance</li> <li>Workplace Specialist: Building Facilities &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Maintenance 5-12</li> <li>Workplace Specialist: Facilities Management &amp; Maintenance 9-12</li> </ul>
Building and Facilities Maintenance	7287	Building and Facilities Maintenance Capstone	Construction	BLDG FAC MAINT CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Maintenance 9-12</li> <li>Occupational Specialist I, II or III: Building Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Facilities &amp; Maintenance</li> <li>Workplace Specialist: Building Facilities &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Maintenance 5-12</li> <li>Workplace Specialist: Facilities Management &amp; Maintenance 9-12</li> </ul>
Civil Construction	7121	Civil Construction Fundamentals	Construction	CIV CON FUN	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Construction 5-12</li> <li>Workplace Specialist: Heavy Highway 9-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> </ul>
Civil Construction	7118	Advanced Civil Construction	Construction	ADV CIV CON	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Construction 5-12</li> <li>Workplace Specialist: Heavy Highway 9-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> </ul>
Civil Construction	7240	Civil Construction Capstone	Construction	CIV CSTR CAP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Construction 5-12</li> <li>Workplace Specialist: Heavy Highway 9-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> </ul>
Construction Trades - Electrical	7124	Electrical Fundamentals	Construction	ELEC FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Electrician 5-12</li> <li>Workplace Specialist: Electrical 9-12</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics 9-12</li> <li>Technology Education 5-12</li> </ul>
Construction Trades - Electrical	7119	Advanced Electrical	Construction	ADV ELEC	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Electrician 5-12</li> <li>Workplace Specialist: Electrical 9-12</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics 9-12</li> <li>Technology Education 5-12</li> </ul>
Construction Trades - Electrical	7263	Construction Trades Electrical Capstone	Construction	CT ELEC CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades 5-12</li> <li>CTE: Trade &amp; Industry: Electrician 5-12</li> <li>Workplace Specialist: Electrical 9-12</li> <li>Workplace Specialist: Industrial Technology or Industrial Electronics 9-12</li> <li>Technology Education 5-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Construction Trades - Carpentry	7123	Construction Trades: General Carpentry	Construction	CON TRD GC	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>
Construction Trades - Carpentry	7122	Construction Trades: Framing and Finishing	Construction	CON TRD FR FIN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>
Construction Trades - Carpentry	7390	Construction Trades: Masonry Fundamentals	Construction	MASON FUND	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>
Construction Trades - Carpentry	7242	Construction Trades Capstone	Construction	CSTR TR CAP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Civil/Architectural Engineering 9-12</li> <li>Occupational Specialist I, II or III: Civil-Architectural Engineering 9-12</li> <li>Occupational Specialist I, II or III: Building Trades Technology 9-12</li> <li>Appropriate Vocational License</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Civil-Architectural Engineering Workplace Specialist: Civil/Architectural Engineering</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Civil/Architectural Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
Construction Trades - Carpentry	7391	Masonry Capstone	Construction	MASON CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>
Construction Trades (CT)	7130	Principles of Construction Trades	Construction	PRIN CON TR	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade and Industrial: Building Trades 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>
Heavy Equipment Operations	7290	Heavy Equipment Fundamentals	Construction	HVY EQUIP FUND	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> <li>Technology Education 5-12</li> </ul>
Heavy Equipment Operations	7291	Advanced Heavy Equipment Operations	Construction	ADV HVY EQUIP OPER	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> <li>Technology Education 5-12</li> </ul>
Heavy Equipment Operations	7292	Heavy Equipment Capstone	Construction	HVY EQUIP CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>Workplace Specialist: Heavy Equipment 9-12</li> <li>Technology Education 5-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
HVAC	7131	Principles of Heating, Ventilation, and Air Conditioning (HVAC)	Construction	PRN HVAC	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning 9-12</li> <li>Occupational Specialist I, II or III: Heating &amp; Air Conditioning 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Workplace Specialist: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR) 5-12</li> <li>Workplace Specialist: HVAC 9-12</li> <li>Technology Education 5-12</li> </ul>
HVAC	7125	HVAC Fundamentals	Construction	HVAC FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning 9-12</li> <li>Occupational Specialist I, II or III: Heating &amp; Air Conditioning 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Workplace Specialist: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR) 5-12</li> <li>Workplace Specialist: HVAC 9-12</li> <li>Technology Education 5-12</li> </ul>
HVAC	7126	HVAC Service	Construction	HVAC SER	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning 9-12</li> <li>Occupational Specialist I, II or III: Heating &amp; Air Conditioning 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Workplace Specialist: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR) 5-12</li> <li>Workplace Specialist: HVAC 9-12</li> <li>Technology Education 5-12</li> </ul>
HVAC	7244	HVAC Capstone	Construction	HVAC CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Heating &amp; Air Conditioning 9-12</li> <li>Occupational Specialist I, II or III: Heating &amp; Air Conditioning 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Workplace Specialist: Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR)</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Heating, Ventilation, Air Conditioning, &amp; Refrigeration (HVACR) 5-12</li> <li>Workplace Specialist: HVAC 9-12</li> <li>Technology Education 5-12</li> </ul>
Plumbing and Pipefitting	7133	Principles of Plumbing and Pipefitting	Construction	PRIN PLB PIPE	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Plumbing &amp; Pipefitting 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Construction Trades 9-12</li> <li>Workplace Specialist: Plumbing &amp; Pipefitting 9-12</li> </ul>
Plumbing and Pipefitting	7129	Plumbing and Pipefitting Fundamentals	Construction	PLB PIPE FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Plumbing &amp; Pipefitting 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Construction Trades 9-12</li> <li>Workplace Specialist: Plumbing &amp; Pipefitting 9-12</li> </ul>
Plumbing and Pipefitting	7120	Advanced Plumbing and Pipefitting	Construction	ADV PLB PIPE	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Plumbing &amp; Pipefitting 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Construction Trades 9-12</li> <li>Workplace Specialist: Plumbing &amp; Pipefitting 9-12</li> </ul>
Plumbing and Pipefitting	7264	Plumbing and Pipefitting Capstone	Construction	PLUMB PIPE CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades K-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Building Trades 9-12</li> <li>Occupational Specialist I, II or III: Building Trades 9-12</li> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Building Trades Technology</li> <li>Workplace Specialist: Building Trades Technology</li> <li>Technology Education</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Building Trades 5-12</li> <li>CTE: Trade &amp; Industrial: Plumbing &amp; Pipefitting 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Construction Trades 9-12</li> <li>Workplace Specialist: Plumbing &amp; Pipefitting 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	6132	Advanced Career & Technical Education, College Credit: Construction	Construction	ADV CTE CC AC	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: CivilArchitectural Engineering 9- 12</li> <li>Occupational Specialist I, II or III: Civil-Architectural Engineering 9-12</li> <li>Occupational Specialist I, II or III: Building Trades Technology 9-12</li> <li>Appropriate Vocational License</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Civil-Architectural Engineering Workplace Specialist: CivilArchitectural Engineering</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial CivilArchitectural Engineering 5-12</li> <li>Workplace Specialist: Engineering 9- 12</li> <li>Workplace Specialist: Construction 9- 12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
	5654	Construction: Special Topics	Construction	ARCH CNS ST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: CivilArchitectural Engineering 9- 12</li> <li>Occupational Specialist I, II or III: Civil-Architectural Engineering 9-12</li> <li>Occupational Specialist I, II or III: Building Trades Technology 9-12</li> <li>Appropriate Vocational License</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Civil-Architectural Engineering Workplace Specialist: CivilArchitectural Engineering</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial CivilArchitectural Engineering 5-12</li> <li>Workplace Specialist: Engineering 9- 12</li> <li>Workplace Specialist: Construction 9- 12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
	4792	Introduction to Construction	Construction	INT CONST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> <li>Workplace Specialist: Construction 9-12</li> </ul>
	5239	Career & Technical Education Pilot Course: (Insert title descriptive of course content)	CTE	CTE PILOT	<ul style="list-style-type: none"> <li>Licensing per NonStandard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>
	7392	Career & Technical Education Principles Course: (Insert title descriptive of course content)	CTE	CTE PRIN	<ul style="list-style-type: none"> <li>Licensing per NonStandard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>
	7393	Career & Technical Education Concentrator A Course: (Insert title descriptive of course content)	CTE	CTE CONC A	<ul style="list-style-type: none"> <li>Licensing per NonStandard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>
	7394	Career & Technical Education Concentrator B Course: (Insert title descriptive of course content)	CTE	CTE CONC B	<ul style="list-style-type: none"> <li>Licensing per NonStandard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>
	7395	Career & Technical Education Capstone Course: (Insert title descriptive of course content)	CTE	CTE CAP	<ul style="list-style-type: none"> <li>Licensing per NonStandard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>	<ul style="list-style-type: none"> <li>Licensing per Non-Standard Course Wavier</li> </ul>
	5237	CTSO Leadership Development in Action	CTE	LEAD DEV	<ul style="list-style-type: none"> <li>Appropriate Vocational License AND local CTSO chapter advisor</li> <li>Occupational Specialist II license in related area</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational License AND local CTSO chapter advisor</li> <li>Occupational Specialist II license in related area</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License with high school setting AND local CTSO chapter advisor</li> <li>Workplace Specialist II license in related area</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License 5-12 AND local CTSO chapter advisor</li> <li>Workplace Specialist II license in related area</li> </ul>
	7156	Technical Skills Development	CTE	TECH SKL DEV	<ul style="list-style-type: none"> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Distributive Education K-12</li> <li>Vocational Agriculture K-12</li> <li>Vocational Business &amp; Office Education</li> <li>Vocational Home Economics</li> </ul>	<ul style="list-style-type: none"> <li>ICE Endorsement</li> <li>Any Agribusiness license 9- 12</li> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Any Standard Health Occupations license 9-12</li> <li>Any Standard Trade &amp; Industrial license 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE license with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE License 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	5394	Preparing for College and Careers	CTE Foundational	PREP CC	<ul style="list-style-type: none"> <li>Any grades five through 12 secondary educators who hold valid Indiana licensure (i.e., instructional, administrator, counselor) or Workplace Specialist license</li> </ul>	<ul style="list-style-type: none"> <li>Any grades five through 12 secondary educators who hold valid Indiana licensure (i.e., instructional, administrator, counselor) or Workplace Specialist license</li> </ul>	<ul style="list-style-type: none"> <li>Any grades five through 12 secondary educators who hold valid Indiana licensure (i.e., instructional, administrator, counselor) or Workplace Specialist license</li> </ul>	<ul style="list-style-type: none"> <li>Any grades five through 12 secondary educators who hold valid Indiana licensure (i.e., instructional, administrator, counselor) or Workplace Specialist license</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	4508	Technical/Business Communication	CTE Foundational	TECH BUS COMM	<ul style="list-style-type: none"> <li>Business Education with Shorthand 7-12</li> <li>English 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>English 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Language Arts with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Language Arts 5-12</li> </ul>
	7218	Technical Math	CTE Foundational	TECH MATH	<ul style="list-style-type: none"> <li>Business Education with Shorthand 7-12</li> <li>Mathematics 7-12</li> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Mathematics 7-12</li> <li>Occupational Specialist I, II, or III: Building Trades 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II, or III: Auto Mechanics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Mathematics 7-12</li> <li>Workplace Specialist: Building Trades</li> <li>Workplace Specialist: Automotive Services Technology</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology Ed 5-12</li> <li>Mathematics 5-12</li> <li>Workplace Specialist: Construction 9-12</li> <li>Workplace Specialist: Building Trades 9-12</li> <li>Workplace Specialist: Automotive Services 9-12</li> </ul>
	5366	Human Development and Wellness	CTE Foundational	HUMAN DEV	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>Health K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Health 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Health with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Health 5-12</li> </ul>
	5364	Interpersonal Relationships	CTE Foundational	INTRP RLT	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>Psychology 7-12</li> <li>English 7-12</li> <li>English K-9, 9th grade only</li> <li>Any Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Psychology 9-12</li> <li>English 9-12</li> <li>Language Arts 1-9</li> <li>Language Arts 5-9</li> <li>English 1-9, 9th grade only</li> <li>Any Occupational license</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Psychology with high school setting</li> <li>Language Arts with high school setting</li> <li>Any CTE License</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Psychology 5-12</li> <li>Language Arts 5-12</li> <li>Any CTE License</li> </ul>
	5362	Child Development	CTE Foundational	CHLD DEV	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>Nursery School</li> <li>Psychology 7-12</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist: Child Development 9-12</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Early Childhood Education</li> <li>Psychology 5-12</li> <li>Workplace Specialist: Early Childhood Education &amp; Services with high school setting</li> <li>Workplace Specialist: Health Sciences – Special Topics with high school setting</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Early Childhood Education P-3</li> <li>Psychology 5-12</li> <li>Workplace Specialist: Early Childhood Education &amp; Services 9-12</li> <li>Workplace Specialist: Health Sciences – Special Topics 9-12</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>
	5360	Advanced Child Development	CTE Foundational	ADVCHLDDEV	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education &amp; Services with work experience as lead teacher in a preschool setting</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education &amp; Services with work experience as lead teacher in a preschool setting</li> <li>A teacher with an Elementary, Kindergarten-Primary, Early Childhood or Psychology license with 5 years teaching experience</li> </ul>
	5342	Nutrition and Wellness	CTE Foundational	NTRN WLNS	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>Health K-12</li> <li>Physical Education And Health 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Health 9-12</li> <li>Occupational Specialist Health Careers 9-12</li> <li>Health Occupations 9-12</li> <li>A related Occupational Specialist with specific training/experience in nutrition and wellness</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Health with high school setting</li> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Anatomy &amp; Physiology with high school setting</li> <li>Workplace Specialist: Health Science – Special Topics with high school setting</li> <li>Workplace Specialist: Nursing with high school setting</li> <li>A related Workplace Specialist with specific training/experience in nutrition and wellness</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Health 5-12</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Anatomy &amp; Physiology 9-12</li> <li>Workplace Specialist: Health Science – Special Topics 9-12</li> <li>Workplace Specialist: Nursing 9-12</li> <li>A related Workplace Specialist with specific training/experience in nutrition and wellness</li> </ul>
	5340	Advanced Nutrition and Wellness	CTE Foundational	ADV NTRN WEL	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A related Occupational Specialist with specific training/experience in nutrition and wellness</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>A related Workplace Specialist with specific training/experience in nutrition and wellness</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>A related Workplace Specialist with specific training/experience in nutrition and wellness</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	5334	Consumer Economics	CTE Foundational	CONS ECON	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> <li>Economics 7-12</li> <li>Business 7-12</li> <li>Vocational Business 7- 12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Economics 7-12</li> <li>Business 7-12</li> <li>Business Education with vocational education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Economics with high school setting</li> <li>Workplace Specialist: Business Management &amp; Finance with high school setting</li> <li>Business with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Economics 5-12</li> <li>Workplace Specialist: Business Law 9-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5- 12</li> <li>CTE: Business &amp; Information Technology 5-12</li> </ul>
	5330	Adult Roles and Responsibilities	CTE Foundational	ADULTROLES	<ul style="list-style-type: none"> <li>Any Home Economics K12</li> <li>Any Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any Vocational or Occupational license</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any CTE License</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Any CTE license</li> </ul>
	4565	Computing Foundations for a Digital Age	CTE Foundational	COMP FOUND	<ul style="list-style-type: none"> <li>Any 5-12 secondary educator with a valid Indiana licensure (i.e., instructional, administrator, counselor) and computer science/information technology (IT)/business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level with work experience or training in computer science/information technology (IT)/business</li> </ul>	<ul style="list-style-type: none"> <li>Any 5-12 secondary educator with a valid Indiana licensure (i.e., instructional, administrator, counselor) and computer science/information technology (IT)/business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level with work experience or training in computer science/information technology (IT)/business</li> </ul>	<ul style="list-style-type: none"> <li>Any 5-12 secondary educator with a valid Indiana licensure (i.e., instructional, administrator, counselor) and computer science/information technology (IT)/business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level with work experience or training in computer science/information technology (IT)/business</li> </ul>	<ul style="list-style-type: none"> <li>Any 5-12 secondary educator with a valid Indiana licensure (i.e., instructional, administrator, counselor) and computer science/information technology (IT)/business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level with work experience or training in computer science/information technology (IT)/business</li> </ul>
	4540	Personal Financial Responsibility	CTE Foundational	PRSFINRSP	<ul style="list-style-type: none"> <li>5-12 licensed teacher, counselor, or administrator with financial, math, or business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level may also instruct this course if they have work experience or training in finance/math/business</li> </ul>	<ul style="list-style-type: none"> <li>5-12 licensed teacher, counselor, or administrator with financial, math, or business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level may also instruct this course if they have work experience or training in finance/math/business</li> </ul>	<ul style="list-style-type: none"> <li>5-12 licensed teacher, counselor, or administrator with financial, math, or business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level may also instruct this course if they have work experience or training in finance/math/business</li> </ul>	<ul style="list-style-type: none"> <li>5-12 licensed teacher, counselor, or administrator with financial, math, or business professional development, training, or work experience</li> <li>Adjunct teacher holding a locally-issued adjunct teacher permit for teaching at the secondary level may also instruct this course if they have work experience or training in finance/math/business</li> </ul>
	4512	Business Math	CTE Foundational	BUS MATH	<ul style="list-style-type: none"> <li>Business Education 7- 12</li> <li>Distributive Education K-12</li> <li>Mathematics 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Mathematics 9-12</li> <li>General Math 5-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Mathematics with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>Mathematics 5-12</li> <li>CTE: Marketing 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> </ul>
	5974	Work Based Learning Capstone	CTE WBL	WBL	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Vocational Business &amp; Office Education</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>ICE Endorsement</li> <li>Business Education with Vocational Business Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Any CTE license</li> <li>Workplace Specialist: Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Any CTE license</li> <li>Workplace Specialist: Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	0530	Career Exploration Internship	CTE WBL	CARR EXP	<ul style="list-style-type: none"> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Distributive Education K-12</li> <li>Vocational Agriculture K-12</li> <li>Vocational Business &amp; Office Education</li> <li>Vocational Home Economics</li> <li>Any License 5-12 with Work-based Learning experience or training</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>ICE Endorsement</li> <li>Any Agribusiness license 9- 12</li> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Any Standard Health Occupations license 9-12</li> <li>Any Standard Trade &amp; Industrial license 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Any License 5-12 with Work-based Learning experience or training</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>Any license with high school setting and Work-based Learning experience or training</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>Any License 5-12 with Work-based Learning experience or training</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Any licensed school counselor</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	6162	Cooperative Education	CTE WBL	COOP EDU	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Vocational Business &amp; Office Education</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Business Education with Vocational Business Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Any CTE or Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any licensed school counselor</li> <li>Any CTE or Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	6149	Youth Apprenticeship	CTE WBL	YOU APPSHIP	<ul style="list-style-type: none"> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Distributive Education K-12</li> <li>Vocational Agriculture K-12</li> <li>Vocational Business &amp; Office Education</li> <li>Vocational Home Economics</li> </ul>	<ul style="list-style-type: none"> <li>ICE Endorsement</li> <li>Any Agribusiness license 9-12</li> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Any Standard Health Occupations license 9-12</li> <li>Any Standard Trade &amp; Industrial license 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE license with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE License 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	6148	Apprenticeship	CTE WBL	APPSHIP	<ul style="list-style-type: none"> <li>Trade &amp; Industrial Cooperative Teacher Coordinator</li> <li>Distributive Education K-12</li> <li>Vocational Agriculture K-12</li> <li>Vocational Business &amp; Office Education</li> <li>Vocational Home Economics</li> </ul>	<ul style="list-style-type: none"> <li>ICE Endorsement</li> <li>Any Agribusiness license 9-12</li> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Any Standard Health Occupations license 9-12</li> <li>Any Standard Trade &amp; Industrial license 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE license with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Any CTE License 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
AI/ Machine Learning	7494	AI/ Machine Learning Capstone	Digital Technology	AI CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
AI/ Machine Learning; Data Analytics	7488	Software and Cloud Foundations	Digital Technology	CLOUD FOUND	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
AI/ Machine Learning; Data Analytics	7490	AI and Data Fundamentals	Digital Technology	AI DATA FUND	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Computer Science	7351	Topics in Computer Science	Digital Technology	TOP COMP SCI	<ul style="list-style-type: none"> <li>Business Education 7- 12</li> <li>Industrial Arts, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> <li>Occupational Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Industrial Technology/Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development</li> <li>Workplace Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5- 12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist in related "Computer Science" course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Computer Science	7352	Computer Science	Digital Technology	COMP SCI	<ul style="list-style-type: none"> <li>Business Education 7- 12</li> <li>Industrial Arts, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> <li>Occupational Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Industrial Technology/Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development</li> <li>Workplace Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5- 12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist in related "Computer Science" course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Computer Science	7353	Computer Science Capstone	Digital Technology	COMP SCI CAP	<ul style="list-style-type: none"> <li>Business Education 7- 12</li> <li>Industrial Arts, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> <li>Occupational Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Industrial Technology/Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development</li> <li>Workplace Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5- 12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist in related "Computer Science" course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Cybersecurity (Vincennes University)	7179	Cybersecurity Fundamentals	Digital Technology	CYBSEC FUN	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Cybersecurity 9-12</li> </ul>
Cybersecurity (Vincennes University)	7178	Advanced Cybersecurity	Digital Technology	ADV CYBSEC	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Cybersecurity 9-12</li> </ul>
Cybersecurity (Vincennes University)	7243	Cybersecurity Capstone	Digital Technology	CYBER CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Cybersecurity 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Cybersecurity and Information Assurance (Ivy Tech)	7249	IT Operations: Cybersecurity Operations Capstone	Digital Technology	CYBER OPER CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Cybersecurity 9-12</li> </ul>
Data Analytics	7492	Data Analytics Capstone	Digital Technology	DATA AN CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Informatics	7484	Data Analytics and Informatics Operations	Digital Technology	DATA OPS INFO	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Informatics	7485	Informatics Capstone	Digital Technology	INFO CAPS	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Information Technology Operations	7180	Information Technology Fundamentals	Digital Technology	INFO TECH FUN	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Information Technology Operations	7181	Networking and Cybersecurity Operations	Digital Technology	INFO TEC SUP SER	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Information Technology Operations	7245	IT Operations: IT Support Capstone	Digital Technology	IT SUPP CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming: Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Information Technology Operations	7247	IT Operations: Cloud and Server Operations Capstone	Digital Technology	CLD SRV OPER CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming; Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Networking	7182	Networking Fundamentals	Digital Technology	NTWK FUN	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming; Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Networking	7251	Networking Capstone	Digital Technology	NETWK CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Computer Operations &amp; Programming; Management Info Systems</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Information Technology: Information Support &amp; Services 9-12</li> </ul>
Software Development	7185	Website and Database Development	Digital Technology	WEB DATA DEV	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development &amp; Network Systems</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Networking 9-12</li> <li>Workplace Specialist: Info Technology: Program &amp; Software Development 9-12</li> </ul>
Software Development	7184	Software Development	Digital Technology	SOFT DEV	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development &amp; Network Systems</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Networking 9-12</li> <li>Workplace Specialist: Info Technology: Program &amp; Software Development 9-12</li> </ul>
Software Development	7253	Software Development Capstone	Digital Technology	SW DEV CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development &amp; Network Systems</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Computer Science 9-12</li> <li>Workplace Specialist: Networking 9-12</li> <li>Workplace Specialist: Info Technology: Program &amp; Software Development 9-12</li> </ul>
	6022	Advanced Career & Technical Education, College Credit: Digital Technology	Digital Technology	ADV CTE CC IT	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Appropriate Vocational License</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course approved for a CTE Pathway</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	4578	Digital Technology: Special Topics	Digital Technology	IT ST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> <li>Appropriate Vocational License</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Appropriate Vocational License</li> <li>Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Appropriate CTE License with high school setting</li> <li>Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Appropriate CTE License 5-12</li> <li>Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
	4528	Digital Applications and Responsibility	Digital Technology	DIG APPS RESP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Computer Illustration &amp; Graphics 9-12</li> <li>Workplace Specialist: Graphic Design and Layout 9-12</li> </ul>
	7396	Advanced Digital Skills Capstone	Digital Technology	DIG SKILL CAP	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 7-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education with Vocational Business Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Interactive Media 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Interactive Media</li> <li>CTE: Trade &amp; Industrial: 3D Computer Animation &amp; Visualization</li> <li>Business with high school setting</li> <li>Workplace Specialist: 3D Computer Animation &amp; Visualization</li> <li>Workplace Specialist: Interactive Media</li> <li>Workplace Specialist: Graphic Imaging Technology</li> <li>CTE: Trade &amp; Industrial Photography 5-12</li> <li>Workplace Specialist: Commercial Photography 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist: Interactive Media 9-12</li> <li>Workplace Specialist: Graphic Imaging Technology 9-12</li> <li>Workplace Specialist: Computer Illustration &amp; Graphics 9-12</li> <li>Workplace Specialist: Graphic Design and Layout 9-12</li> </ul>
	5252	Computer Science: Special Topics	Digital Technology	CS III SP TOP	<ul style="list-style-type: none"> <li>Must have an approved Non-Standard Course Waiver to use this course. Licensing is determined during the waiver process.</li> </ul>	<ul style="list-style-type: none"> <li>Must have an approved Non-Standard Course Waiver to use this course. Licensing is determined during the waiver process.</li> </ul>	<ul style="list-style-type: none"> <li>Must have an approved Non-Standard Course Waiver to use this course. Licensing is determined during the waiver process.</li> </ul>	<ul style="list-style-type: none"> <li>Must have an approved Non-Standard Course Waiver to use this course. Licensing is determined during the waiver process.</li> </ul>
	4803	Introduction to Computer Science and Digital Technology	Digital Technology	INTO CS	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Industrial Arts, Math or Science with Professional Development or additional training in Computer Science</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> <li>Occupational Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Industrial Technology/Education, Math or Science with Professional Development or additional training in Computer Science</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development</li> <li>Workplace Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist in related "Computer Science" course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	7183	Principles of Computing	Digital Technology	PRIN COMP INFO	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Industrial Arts, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist: Business IT: Programming &amp; Software Development 9-12</li> <li>Occupational Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Industrial Technology/Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>Standard Trade &amp; Industrial: Engineering 9-12</li> <li>Occupational Specialist I, II or III: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>Computer Education with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business IT: Programming &amp; Software Development</li> <li>Workplace Specialist in "Computer Science" related course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial: Engineering</li> <li>Workplace Specialist: Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Computer Education 5-12, P-12</li> <li>Computer Science 5-12, P-12</li> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist in related "Computer Science" course approved for a CTE pathway</li> <li>Technology Education, Math or Science with Professional Development or additional training in Computer Science</li> <li>CTE: Trade &amp; Industrial Engineering 5-12</li> <li>Workplace Specialist: Engineering 9-12</li> </ul>
Early Childhood	7160	Principles of Early Childhood Education	Education	PRIN EAR CH ED	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education and Services</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education and Services 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>
Early Childhood	7158	Early Childhood Education Curriculum	Education	EAR CHD ED CUR	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education and Services</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education and Services 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>
Early Childhood	7159	Early Childhood Education Guidance	Education	EAR CHD ED GD	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education and Services</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education and Services 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>
Early Childhood	7259	Early Childhood Education Capstone	Education	ERLY CHILD CAP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education and Services</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education and Services 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>
Education Professions	7161	Principles of Teaching	Education	PRIN TEACH	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Education Professions 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
Education Professions	7157	Child and Adolescent Development	Education	CHLD ADL DEV	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Education Professions 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
Education Professions	7162	Teaching and Learning	Education	TEACH LRN	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Education Professions 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
Education Professions	7267	Education Professions Capstone	Education	ED PROF CAP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Education Professions 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
	6140	Advanced Career & Technical Education, College Credit: Education	Education	ADV CTE CC ET	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Early Childhood Education and Services</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Early Childhood Education and Services 9-12</li> <li>A teacher with an Elementary, Early Childhood or Psychology license with proof of 5 years teaching experience</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	5415	Exploring Education Professions	Education	EX ED	<ul style="list-style-type: none"> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
	5976	Education and Training: Special Topics	Education	ET ST	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Vocational Home Economics K-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Education Professions 9-12</li> <li>Any valid teaching license with proof of 5 years teaching experience</li> </ul>
Energy Technology	7203	Principles of Energy Technology	Energy & Natural Resources	PRIN ENER TECH	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7200	Fundamentals of Electricity and Motors	Energy & Natural Resources	FUN ELE MOTR	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7198	Electrical Power Distribution	Energy & Natural Resources	ELC PWR DIS	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7268	Electrical Line Capstone	Energy & Natural Resources	ELEC LN CAP	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7269	Industrial Wind Capstone	Energy & Natural Resources	IND WIND CAP	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7266	Natural Gas Capstone	Energy & Natural Resources	NATL GAS CAP	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Energy Technology	7365	Renewable Energy Alternatives	Energy & Natural Resources	RE ENGY ALT	<ul style="list-style-type: none"> <li>Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology 9-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>Technology Education 5-12</li> <li>Workplace Specialist: Energy Industry 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Natural Resources	5180	Natural Resources	Energy & Natural Resources	NAT RSS	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9- 12 Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Natural Resources 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Natural Resources Management</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 9-12</li> <li>Workplace Specialist: Natural Resources 9-12</li> </ul>
Natural Resources	7270	Forestry and Wildlife Management	Energy & Natural Resources	FOR WILF MGMT	<ul style="list-style-type: none"> <li>Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>Any Agribusiness License 9- 12</li> <li>Any Standard Agriculture license</li> <li>Any Occupational Specialist I, II, or III in Agriculture 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture with high school setting</li> <li>Workplace Specialist: Agriculture Education in Landscape Management</li> <li>Workplace Specialist: Ornamental Horticulture</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Agriculture 5-12</li> <li>Workplace Specialist: Landscape Management 9-12</li> <li>Workplace Specialist: Ornamental Horticulture 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Natural Resources	7271	Soil and Water Management	Energy & Natural Resources	SOIL WATR MGMT	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Any Agribusiness License 9-12 Any Standard Agriculture license</li> <li>• Any Occupational Specialist I, II, or III in Natural Resources 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> <li>• Workplace Specialist: Agriculture Education in Natural Resources Management</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 5-12</li> <li>• Workplace Specialist: Natural Resources 9-12</li> </ul>
Natural Resources	5229	Sustainable Energy Alternatives	Energy & Natural Resources	SUS NRG	<ul style="list-style-type: none"> <li>• Vocational Agriculture K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Any Standard Agriculture license</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Agriculture 5-12</li> <li>• Workplace Specialist: Sustainable Energy 9-12</li> </ul>
	7287	Advanced Career & Technical Education, College Credit: STEM	Energy & Natural Resources	ADV CTE CC	<ul style="list-style-type: none"> <li>• Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology K-12</li> <li>• Industrial Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education with high school setting</li> <li>• Workplace Specialist: Computers in Design &amp; Production</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education 5-12</li> <li>• Workplace Specialist: Computers in Design &amp; Production</li> </ul>
	5614	Introduction to the Energy Industry	Energy & Natural Resources	INTRO ENG IND	<ul style="list-style-type: none"> <li>• Industrial Arts K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Technology 9-12</li> <li>• Industrial Education K-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industry: Energy Industry 5-12</li> <li>• Workplace Specialist: Energy Industry 9-12</li> <li>• Technology Education</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Accounting	4522	Advanced Accounting	Financial Services	ADV ACC	<ul style="list-style-type: none"> <li>• Business Education 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>• CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Accounting	7252	Accounting Capstone	Financial Services	ACCT CAP	<ul style="list-style-type: none"> <li>• Business Education 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>• CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Finance and Investment	7150	Personal Finance and Banking	Financial Services	PERSON FIN/BNK	<ul style="list-style-type: none"> <li>• Business Education 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>• CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Finance and Investment	5258	Finance and Investment	Financial Services	FIN INVEST	<ul style="list-style-type: none"> <li>• Business Education 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>• CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Finance and Investment	7265	Finance and Investment Capstone	Financial Services	FIN CAP	<ul style="list-style-type: none"> <li>• Business Education 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>• CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Insurance	7149	Insurance Fundamentals	Financial Services	INS FUN	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Insurance	7151	Personal and Commercial Insurance	Financial Services	PER PROP INS	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist: Business: Accounting &amp; Finance</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Accounting &amp; Finance 9-12</li> <li>CTE: Trade &amp; Industrial: Accounting &amp; Finance 5-12</li> </ul>
Biomedical Sciences and Technology	5218	Principles of Biomedical Sciences	Health & Human Services	PRIN BIOMED	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Science license 9-12</li> <li>Life Science 5-12</li> </ul>
Biomedical Sciences and Technology	5216	Human Body Systems	Health & Human Services	HUMAN SYST	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Science license 9-12</li> <li>Life Science 5-12</li> </ul>
Biomedical Sciences and Technology	5217	Medical Interventions	Health & Human Services	MED INTERV	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Science license 9-12</li> <li>Life Science 5-12</li> </ul>
Biomedical Sciences and Technology	5219	Biomedical Innovations	Health & Human Services	BIO INN	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation</li> <li>Biology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Life Science with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Science license 9-12</li> <li>Life Science 5-12</li> </ul>
Central Service Tech/ Surgical Technician	7163	Central Service Technician Fundamentals	Health & Human Services	CEN SER TEC FUN	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation with exception of Nurse's Aide &amp; Licensed Practical Nurse 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing 9-12</li> <li>Workplace Specialist: Central Service Technician (Medical) 9-12</li> </ul>
Central Service Tech/ Surgical Technician	7257	Central Service Technician Capstone	Health & Human Services	CENT SRV TECH CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation with exception of Nurse's Aide &amp; Licensed Practical Nurse 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing 9-12</li> <li>Workplace Specialist: Central Service Technician (Medical) 9-12</li> </ul>
Cosmetology/ Barbering	7230	Principles of Barbering and Cosmetology	Health & Human Services	PRIN COSMO	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology 9-12</li> <li>Occupational Specialist I, II or III: Cosmetology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Cosmetology</li> <li>Workplace Specialist: Cosmetology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Cosmetology 5-12</li> <li>Workplace Specialist: Cosmetology 9-12</li> </ul>
Cosmetology/ Barbering	7331	Barbering and Cosmetology Fundamentals	Health & Human Services	COSMO FUND	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology 9-12</li> <li>Occupational Specialist I, II or III: Cosmetology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Cosmetology</li> <li>Workplace Specialist: Cosmetology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Cosmetology 5-12</li> <li>Workplace Specialist: Cosmetology 9-12</li> </ul>
Cosmetology/ Barbering	7332	Advanced Cosmetology	Health & Human Services	ADV COSMO	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology 9-12</li> <li>Occupational Specialist I, II or III: Cosmetology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Cosmetology</li> <li>Workplace Specialist: Cosmetology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Cosmetology 5-12</li> <li>Workplace Specialist: Cosmetology 9-12</li> </ul>
Cosmetology/ Barbering	7333	Advanced Barbering	Health & Human Services	ADV BARB	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology 9-12</li> <li>Occupational Specialist I, II or III: Cosmetology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Cosmetology</li> <li>Workplace Specialist: Cosmetology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Cosmetology 5-12</li> <li>Workplace Specialist: Cosmetology 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Cosmetology/ Barbering	7334	Barbering and Cosmetology Capstone	Health & Human Services	COSMO CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Cosmetology 9-12</li> <li>Occupational Specialist I, II or III: Cosmetology 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Cosmetology</li> <li>Workplace Specialist: Cosmetology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Cosmetology 5-12</li> <li>Workplace Specialist: Cosmetology 9-12</li> </ul>
Dental Careers	7315	Principles of Dental Careers	Health & Human Services	PRIN DENT CAR	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Dental Assisting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Dental 9-12</li> </ul>
Dental Careers	7316	Dental Careers Fundamentals	Health & Human Services	DENT CAR FUND	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Dental Assisting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Dental 9-12</li> </ul>
Dental Careers	7317	Advanced Dental Careers	Health & Human Services	ADV DENT CAR	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Dental Assisting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Dental 9-12</li> </ul>
Dental Careers	7318	Dental Careers Capstone	Health & Human Services	DENT CAR CAP	DENT CAR CAP	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Dental Assisting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Dental 9-12</li> </ul>
Emergency Medical Services	7165	Emergency Medical Tech	Health & Human Services	EMT	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation: First Responder 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Emergency Medical Services 9-12</li> </ul>
Exercise Science	7320	Principles of Exercise Science	Health & Human Services	PRIN EXER SCI	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Physical Therapy</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science - Athletic Training</li> <li>Workplace Specialist: Physical Therapy 9-12</li> </ul>
Exercise Science	7321	Kinesiology	Health & Human Services	KINESIO	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Physical Therapy</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science - Athletic Training</li> <li>Workplace Specialist: Physical Therapy 9-12</li> </ul>
Exercise Science	7322	Human Performance	Health & Human Services	HUM PERF	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Physical Therapy</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science - Athletic Training</li> <li>Workplace Specialist: Physical Therapy 9-12</li> </ul>
Exercise Science	7323	Physical Therapy Capstone	Health & Human Services	PHYS THER CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Physical Therapy 9-12</li> </ul>
Exercise Science	7324	Fitness Management Capstone	Health & Human Services	FIT MGMT CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Physical Therapy</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science - Athletic Training</li> <li>Workplace Specialist: Physical Therapy 9-12</li> </ul>
Medical Assistant	7164	Certified Clinical Medical Assistant (CCMA)	Health & Human Services	CERT CL MED AST	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation with exception of Nurse's Aide &amp; Licensed Practical Nurse 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing 9-12</li> </ul>
Pharmacy	7137	Principles of Pharmacy Tech	Health & Human Services	PRIN PHARM	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Pharmacy 9-12</li> </ul>
Pharmacy	7167	Pharmacy Tech	Health & Human Services	PHARM TECH	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Pharmacy 9-12</li> </ul>
Pharmacy	7310	Pharmacy Capstone	Health & Human Services	PHARM TECH CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Pharmacy 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Pre Nursing	7166	Healthcare Specialist: CNA	Health & Human Services	HC SPEC CAN	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation with exception of Nurse's Aide &amp; Licensed Practical Nurse 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing 9-12</li> </ul>
Pre Nursing	7255	Healthcare Specialist Capstone	Health & Human Services	HC SPEC CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation: First Responder 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Emergency Medical Services 9-12</li> </ul>
Social and Community Services	7176	Principles of Human Services	Health & Human Services	PRIN HUM SERV	<ul style="list-style-type: none"> <li>Any Home Economics K-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12 <u>OR</u> Occupational Education (FACS) 9-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>
Social and Community Services	7276	Fundamentals of Human Services	Health & Human Services	FUN HUMS	<ul style="list-style-type: none"> <li>Any Home Economics K-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12 <u>OR</u> Occupational Education (FACS) 9-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>
Social and Community Services	7278	Advanced Social and Community Services	Health & Human Services	COM HLTH WK	<ul style="list-style-type: none"> <li>Any Home Economics K-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12 <u>OR</u> Occupational Education (FACS) 9-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>
Social and Community Services	7279	Social and Community Services Capstone	Health & Human Services	SOC COMM CAPST	<ul style="list-style-type: none"> <li>Any Home Economics K-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12 <u>OR</u> Occupational Education (FACS) 9-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12 with a Human Services concentration, non-teaching occupational experience in a social or community services provider role, or additional training/PD in Social and Community Services</li> <li>Workplace Specialist: Human and Social Services</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Health Science – Nursing or EMS 9-12</li> <li>Any licensed school social worker</li> <li>Any licensed school counselor</li> </ul>
	6138	Advanced Career & Technical Education, College Credit: Health and Human Services	Health & Human Services	ADV CTE CC HSCI	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Dental Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> <li>Workplace Specialist: Dental Careers 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	5286	Health & Human Services: Special Topics	Health & Human Services	HHS ST	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Dental Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> <li>Workplace Specialist: Dental Careers 9-12</li> </ul>
	5272	Introduction to Health Science Careers	Health & Human Services	INTRO HS CAREERS	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Dental Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> <li>Workplace Specialist: Dental Careers 9-12</li> </ul>
	5276	Anatomy and Physiology	Health & Human Services	A & P	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Dental Careers</li> </ul>	<ul style="list-style-type: none"> <li>Life Sciences 5-12</li> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> <li>Workplace Specialist: Dental Careers 9-12</li> </ul>
	7168	Principles of Healthcare	Health & Human Services	PRIN HLCR	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> </ul>
	5274	Healthcare Fundamentals	Health & Human Services	MED TERMS	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>Any Standard Health Occupations License 9-12</li> <li>Any Occupational Specialist I, II or III in Health Occupation 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations with high school setting</li> <li>Workplace Specialist: Health Careers</li> <li>Workplace Specialist: Dental Careers</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Health Occupations 5-12</li> <li>Workplace Specialist: Any Health Careers license 9-12</li> <li>Workplace Specialist: Dental Careers 9-12</li> </ul>
Culinary Arts	7169	Culinary Arts	Hospitality, Events, & Tourism	CUL ARTS	<ul style="list-style-type: none"> <li>Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Vocational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
Culinary Arts	7235	Baking and Pastry Capstone	Hospitality, Events, & Tourism	BAKE PSTRY CAP	<ul style="list-style-type: none"> <li>Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Vocational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
Culinary Arts	7233	Culinary Arts Capstone	Hospitality, Events, & Tourism	CUL ARTS CAP	<ul style="list-style-type: none"> <li>Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Vocational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
Hospitality Management	7172	Hospitality Management	Hospitality, Events, & Tourism	HOSP MAN	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Lodging Management</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Precision Food Production</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Precision Food Production 9-12</li> </ul>
Hospitality Management	7237	Hospitality Management Capstone	Hospitality, Events, & Tourism	HOSP MGMT CAP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Lodging Management</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Precision Food Production</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Precision Food Production 9-12</li> </ul>
Nutrition Science	7170	Nutrition Planning and Therapy	Hospitality, Events, & Tourism	NUTR PL TRPY	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Nutrition Science 9-12</li> </ul>
Nutrition Science	7239	Nutrition Science Capstone	Hospitality, Events, & Tourism	NUT SCI CAP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Nutrition Science 9-12</li> </ul>
	6120	Advanced Career & Technical Education, College Credit: Hospitality, Events, & Tourism	Hospitality, Events, & Tourism	ADV CTE CC HHS	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Human and Social Services</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Human and Social Services</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	6152	Hospitality, Events, & Tourism: Special Topics	Hospitality, Events, & Tourism	HHS ST	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational License</li> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Human and Social Services</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE License</li> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Human and Social Services</li> </ul>
	5438	Introduction to Hospitality, Events, & Tourism	Hospitality, Events, & Tourism	INT CUL HOS	<ul style="list-style-type: none"> <li>Any Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Homemaking Education 9-12</li> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II, &amp; III: Food Production &amp; Management 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Specialist</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> </ul>
	7173	Principles of Culinary and Hospitality	Hospitality, Events, & Tourism	PRIN HOSP	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
	7171	Nutrition	Hospitality, Events, & Tourism	NUTR	<ul style="list-style-type: none"> <li>Vocational Home Economics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Education (FACS) 9-12</li> <li>Occupational Specialist I, II or III: Food Production &amp; Management 9-12</li> <li>Consumer Homemaking Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences with high school setting</li> <li>Workplace Specialist: Culinary Arts &amp; Food Service Management Occupations</li> <li>Workplace Specialist: Food Science</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Family &amp; Consumer Sciences 5-12</li> <li>Workplace Specialist: Culinary Arts 9-12</li> <li>Workplace Specialist: Hospitality Management 9-12</li> <li>Workplace Specialist: Food Science 9-12</li> </ul>
Entrepreneurship	7154	Principles of Entrepreneurship	Marketing, Sales & Entrepreneurship	PRIN ENTR	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Workplace Specialist: Entrepreneurship 9-12</li> <li>CTE: Trade &amp; Industrial: Entrepreneurship 5-12</li> </ul>
Entrepreneurship	7148	New Venture Development	Marketing, Sales & Entrepreneurship	NEW VENT	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Workplace Specialist: Entrepreneurship 9-12</li> <li>CTE: Trade &amp; Industrial: Entrepreneurship 5-12</li> </ul>
Entrepreneurship	7147	Entrepreneurial Operations	Marketing, Sales & Entrepreneurship	SM BUS OPER	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Workplace Specialist: Entrepreneurship 9-12</li> <li>CTE: Trade &amp; Industrial: Entrepreneurship 5-12</li> </ul>
Marketing and Sales	5914	Marketing Fundamentals	Marketing, Sales & Entrepreneurship	MRKT FUND	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>Business with high school setting</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Marketing 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>
Marketing and Sales	7245	Digital Marketing	Marketing, Sales & Entrepreneurship	DGTL MARK	<ul style="list-style-type: none"> <li>Distributive Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Marketing 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>
Marketing and Sales	5918	Strategic Marketing	Marketing, Sales & Entrepreneurship	STRT MRKT	<ul style="list-style-type: none"> <li>Distributive Education 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Marketing with high school setting</li> <li>CTE: Business Services &amp; Technology with high school setting</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Marketing 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>Workplace Specialist with specific experience in strategic marketing</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
	6142	Advanced Career & Technical Education, College Credit: Business, Marketing, and Entrepreneurship	Marketing, Sales & Entrepreneurship	ADV BUS CC BME	<ul style="list-style-type: none"> <li>• Appropriate Vocational License</li> <li>• Business Education 7- 12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate Vocational license</li> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> <li>• Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate CTE License with high school setting</li> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate CTE License 5-12</li> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
	5968	Business, Marketing and Entrepreneurship: Special Topics	Marketing, Sales & Entrepreneurship	BME ST	<ul style="list-style-type: none"> <li>• Appropriate Vocational License</li> <li>• Business Education 7- 12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate Vocational license</li> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> <li>• Occupational Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate CTE License with high school setting</li> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriate CTE License 5-12</li> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist in related course approved for a CTE Pathway</li> </ul>
	5967	Introduction to Entrepreneurship	Marketing, Sales & Entrepreneurship	INTO ENTR	<ul style="list-style-type: none"> <li>• Business Education 7- 12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Business Education with Vocational Endorsement 9-12</li> <li>• Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	5966	Entrepreneurship and New Ventures Capstone	Marketing, Sales & Entrepreneurship	ENT VENT CAP	<ul style="list-style-type: none"> <li>• Business Education 7- 12</li> <li>• Business Education with Vocational Business Endorsement 7-12</li> <li>• Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business Education 9-12</li> <li>• Business Education with Vocational Business Endorsement 9-12</li> <li>• Marketing Education 9-12</li> <li>• Distributive Education K-12</li> <li>• Occupational Specialist: Business: Entrepreneurship / Small Business Ownership 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business with high school setting</li> <li>• CTE: Business Services &amp; Technology with high school setting</li> <li>• CTE: Marketing with high school setting</li> <li>• Workplace Specialist: Marketing: Entrepreneurship / Small Business Ownership 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• Business 5-12</li> <li>• CTE: Business Services &amp; Technology 5-12</li> <li>• CTE: Business &amp; Information Technology 5-12</li> <li>• CTE: Marketing 5-12</li> <li>• Workplace Specialist: Entrepreneurship 9-12</li> </ul>
Criminal Justice	7193	Principles of Criminal Justice	Public Service & Safety	PRIN CR JUST	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>• Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial:Law Enforcement Training</li> <li>• Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Criminal Justice 5-12</li> <li>• Workplace Specialist: Criminal Justice 9-12</li> <li>• Workplace Specialist: Law Enforcement 9-12</li> </ul>
Criminal Justice	7191	Law Enforcement Fundamentals	Public Service & Safety	LAW ENF FUND	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>• Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial:Law Enforcement Training</li> <li>• Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Criminal Justice 5-12</li> <li>• Workplace Specialist: Criminal Justice 9-12</li> <li>• Workplace Specialist: Law Enforcement9-12</li> </ul>
Criminal Justice	7188	Corrections and Cultural Awareness	Public Service & Safety	CRT CORR	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>• Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial:Law Enforcement Training</li> <li>• Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Criminal Justice 5-12</li> <li>• Workplace Specialist: Criminal Justice 9-12</li> <li>• Workplace Specialist: Law Enforcement9-12</li> </ul>
Criminal Justice	7231	Criminal Justice Capstone	Public Service & Safety	CRIM JUST CAP	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>• Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial:Law Enforcement Training</li> <li>• Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Criminal Justice 5-12</li> <li>• Workplace Specialist: Criminal Justice 9-12</li> <li>• Workplace Specialist: Law Enforcement9-12</li> </ul>
Fire and Rescue	7195	Principles of Fire and Rescue	Public Service & Safety	PRIN FIRE RES	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>• Occupational Specialist I, II or III: Fireman Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Fire Science</li> <li>• Workplace Specialist: Fire Science</li> <li>• Workplace Specialist: First Responder</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>• Workplace Specialist: Fire &amp; Rescue 9-12</li> </ul>
Fire and Rescue	7189	Fire Fighting Fundamentals	Public Service & Safety	FIRE FGHT FUN	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>• Occupational Specialist I, II or III: Fireman Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Fire Science</li> <li>• Workplace Specialist: Fire Science</li> <li>• Workplace Specialist: First Responder</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>• Workplace Specialist: Fire &amp; Rescue 9-12</li> </ul>
Fire and Rescue	7186	Advanced Fire Fighting	Public Service & Safety	ADV FIRE FGHT	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>• Occupational Specialist I, II or III: Fireman Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial: Fire Science</li> <li>• Workplace Specialist: Fire Science</li> <li>• Workplace Specialist: First Responder</li> </ul>	<ul style="list-style-type: none"> <li>• CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>• Workplace Specialist: Fire &amp; Rescue 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Fire and Rescue	7229	Fire and Rescue Capstone	Public Service & Safety	FIRE RES CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Fireman Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>Occupational Specialist I, II or III: Fireman Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Fire Science</li> <li>Workplace Specialist: Fire Science</li> <li>Workplace Specialist: First Responder</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>Workplace Specialist: Fire &amp; Rescue 9-12</li> </ul>
Paralegal	7194	Principles of Paralegal Studies	Public Service & Safety	PRIN PARA ST	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
Paralegal	7192	Paralegal Fundamentals	Public Service & Safety	PARA FUN	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
Paralegal	7187	Advanced Paralegal Studies	Public Service & Safety	ADV PARA ST	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
Paralegal	7227	Paralegal Studies Capstone	Public Service & Safety	LEGAL ST CAP	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
	6136	Advanced Career & Technical Education, College Credit: Public Service and Safety	Public Service & Safety	ADV CTE CC PS	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training K-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>Occupational Specialist I, II or III: Fireman Training 9-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial: Fire Science</li> <li>Workplace Specialist: Fire Science</li> <li>Workplace Specialist: First Responder</li> <li>CTE: Trade &amp; Industrial: Law Enforcement Training</li> <li>Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>Workplace Specialist: Fire &amp; Rescue 9-12</li> <li>Workplace Specialist: First Responder 9-12</li> <li>CTE: Trade &amp; Industrial Law Enforcement Training 5-12</li> <li>Workplace Specialist: Criminal Justice 9-12</li> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
	6154	Public Safety: Special Topics	Public Service & Safety	PS ST	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training K-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>Occupational Specialist I, II or III: Fireman Training 9-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial: Fire Science</li> <li>Workplace Specialist: Fire Science</li> <li>Workplace Specialist: First Responder</li> <li>CTE: Trade &amp; Industrial: Law Enforcement Training</li> <li>Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>Workplace Specialist: Fire &amp; Rescue 9-12</li> <li>Workplace Specialist: First Responder 9-12</li> <li>CTE: Trade &amp; Industrial Law Enforcement Training 5-12</li> <li>Workplace Specialist: Criminal Justice 9-12</li> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
	7190	Introduction to Law and Public Safety	Public Service & Safety	INTRO PUB SER	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training K-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training K-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate Vocational license</li> <li>Standard Trade &amp; Industrial: Fireman Training 9-12</li> <li>Occupational Specialist I, II or III: Fireman Training 9-12</li> <li>Standard Trade &amp; Industrial: Law Enforcement Training 9-12</li> <li>Occupational Specialist I, II or III: Law Enforcement Training 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial: Fire Science</li> <li>Workplace Specialist: Fire Science</li> <li>Workplace Specialist: First Responder</li> <li>CTE: Trade &amp; Industrial: Law Enforcement Training</li> <li>Workplace Specialist: Law Enforcement Training</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate CTE license</li> <li>CTE: Trade &amp; Industrial Fire Science 5-12</li> <li>Workplace Specialist: Fire &amp; Rescue 9-12</li> <li>Workplace Specialist: First Responder 9-12</li> <li>CTE: Trade &amp; Industrial Law Enforcement Training 5-12</li> <li>Workplace Specialist: Criminal Justice 9-12</li> <li>CTE: Trade &amp; Industrial: Legal/Law Professionals 5-12</li> <li>Workplace Specialist: Legal/Law Professionals 9-12</li> </ul>
Automotive Collision Repair	7215	Principles of Collision Repair	Supply Chain & Transportation	PRIN COL REP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Body &amp; Fender Repair 9-12</li> <li>Occupational Specialist I, II or III: Body &amp; Fender Repair 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Collision Repair Technology</li> <li>Workplace Specialist: Automotive Collision Repair Technology</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Collision Repair 5-12</li> <li>Workplace Specialist: Automotive Collision Repair 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Automotive Collision Repair	7204	Automotive Body Repair	Supply Chain & Transportation	AUTO BDY REP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Body &amp; Fender Repair 9-12</li> <li>Occupational Specialist I, II or III: Body &amp; Fender Repair 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Collision Repair Technology</li> <li>Workplace Specialist: Automotive Collision Repair Technology</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Collision Repair 5-12</li> <li>Workplace Specialist: Automotive Collision Repair 9-12</li> </ul>
Automotive Collision Repair	7206	Plastic Body Repair and Paint Fundamentals	Supply Chain & Transportation	PAINT FUND	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Body &amp; Fender Repair 9-12</li> <li>Occupational Specialist I, II or III: Body &amp; Fender Repair 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Collision Repair Technology</li> <li>Workplace Specialist: Automotive Collision Repair Technology</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Collision Repair 5-12</li> <li>Workplace Specialist: Automotive Collision Repair 9-12</li> </ul>
Automotive Collision Repair	7380	Collision Repair Capstone	Supply Chain & Transportation	COLL RPR CAP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Body &amp; Fender Repair 9-12</li> <li>Occupational Specialist I, II or III: Body &amp; Fender Repair 9-12</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Collision Repair Technology</li> <li>Workplace Specialist: Automotive Collision Repair Technology</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Collision Repair 5-12</li> <li>Workplace Specialist: Automotive Collision Repair 9-12</li> </ul>
Automotive Services	7213	Principles of Automotive Services	Supply Chain & Transportation	PRIN AUTO SER	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Services Technology</li> <li>Workplace Specialist: Automotive Services Technology</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Services 5-12</li> <li>Workplace Specialist: Automotive Services 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
Automotive Services	7205	Brake Systems	Supply Chain & Transportation	BRK SYS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Services Technology</li> <li>Workplace Specialist: Automotive Services Technology</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Services 5-12</li> <li>Workplace Specialist: Automotive Services 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
Automotive Services	7212	Steering and Suspensions	Supply Chain & Transportation	STEER SUSP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Services Technology</li> <li>Workplace Specialist: Automotive Services Technology</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Services 5-12</li> <li>Workplace Specialist: Automotive Services 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
Automotive Services	7375	Automotive Service Capstone	Supply Chain & Transportation	AUTO SRV CAP	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Standard Trade &amp; Industrial: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Auto Mechanics 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>CTE: Trade &amp; Industrial: Automotive Services Technology</li> <li>Workplace Specialist: Automotive Services Technology</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>CTE: Trade &amp; Industrial Automotive Services 5-12</li> <li>Workplace Specialist: Automotive Services 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
Aviation Maintenance	7372	Principles of Aviation Maintenance	Supply Chain & Transportation	PRIN AVI MAI	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance 9-12</li> <li>Occupational Specialist I, II, or III: Aircraft Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Maintenance Technology</li> <li>Workplace Specialist: Aviation Maintenance Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aircraft Maintenance 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Maintenance	7374	Aviation Maintenance Fundamentals	Supply Chain & Transportation	AVI MAIN FUN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance 9-12</li> <li>Occupational Specialist I, II, or III: Aircraft Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Maintenance Technology</li> <li>Workplace Specialist: Aviation Maintenance Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aircraft Maintenance 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Maintenance	7376	Advanced Aviation Maintenance	Supply Chain & Transportation	ADV AVI MAIN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance 9-12</li> <li>Occupational Specialist I, II, or III: Aircraft Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Maintenance Technology</li> <li>Workplace Specialist: Aviation Maintenance Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aircraft Maintenance 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Aviation Maintenance	7378	Aviation Maintenance Capstone	Supply Chain & Transportation	AVI MAIN CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Maintenance 9-12</li> <li>Occupational Specialist I, II, or III: Aircraft Maintenance 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Maintenance Technology</li> <li>Workplace Specialist: Aviation Maintenance Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aircraft Maintenance 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Management	7214	Principles of Aviation Management	Supply Chain & Transportation	PRIN AVI MAN	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations 9-12</li> <li>Occupational Specialist I, II or III: Aircraft Operations 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Operations</li> <li>Workplace Specialist: Aviation Operations</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Aviation Operations 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Management	7217	Private Pilot Theory	Supply Chain & Transportation	PVT PLT THRY	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations 9-12</li> <li>Occupational Specialist I, II or III: Aircraft Operations 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Operations</li> <li>Workplace Specialist: Aviation Operations</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Aviation Operations 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Management	7207	Aviation Safety and Operations	Supply Chain & Transportation	AVI SAF OPS	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations 9-12</li> <li>Occupational Specialist I, II or III: Aircraft Operations 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Operations</li> <li>Workplace Specialist: Aviation Operations</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Aviation Operations 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Aviation Management	7385	Aviation Management Capstone	Supply Chain & Transportation	AVI MGMT CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Aircraft Operations 9-12</li> <li>Occupational Specialist I, II or III: Aircraft Operations 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Aviation Operations</li> <li>Workplace Specialist: Aviation Operations</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Aviation Operations 5-12</li> <li>Workplace Specialist: Aviation 9-12</li> </ul>
Commercial Drivers License (CDL)	7386	Principles of Transportation and Logistics	Supply Chain & Transportation	PRIN TRANS LOG	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Tractor/Trailer Operation</li> <li>Workplace Specialist: Tractor/Trailer Operation</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Tractor/Trailer Operation 5-12</li> <li>Workplace Specialist: Tractor/Trailer Operation 9-12</li> </ul>
Commercial Drivers License (CDL)	7387	Commercial Drivers Operations Fundamentals	Supply Chain & Transportation	CDL OPER FUND	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Tractor/Trailer Operation</li> <li>Workplace Specialist: Tractor/Trailer Operation</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Tractor/Trailer Operation 5-12</li> <li>Workplace Specialist: Tractor/Trailer Operation 9-12</li> </ul>
Commercial Drivers License (CDL)	7388	Advanced Commercial Drivers Operations	Supply Chain & Transportation	ADV CDL FUND	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Tractor/Trailer Operation</li> <li>Workplace Specialist: Tractor/Trailer Operation</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Tractor/Trailer Operation 5-12</li> <li>Workplace Specialist: Tractor/Trailer Operation 9-12</li> </ul>
Diesel Services	7216	Principles of Diesel Technology	Supply Chain & Transportation	PRIN DSL SERV	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Diesel Mechanics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Diesel Service Technology</li> <li>Workplace Specialist: Diesel Service Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Diesel Services 5-12</li> <li>Workplace Specialist: Diesel Service 9-12</li> </ul>
Diesel Services	7385	Diesel Steering and Brakes	Supply Chain & Transportation	DSL STR BRKS	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Diesel Mechanics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Diesel Service Technology</li> <li>Workplace Specialist: Diesel Service Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Diesel Services 5-12</li> <li>Workplace Specialist: Diesel Service 9-12</li> </ul>
Diesel Services	7211	Diesel Transmissions	Supply Chain & Transportation	DSL TRN ENGI REP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Diesel Mechanics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Diesel Service Technology</li> <li>Workplace Specialist: Diesel Service Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Diesel Services 5-12</li> <li>Workplace Specialist: Diesel Service 9-12</li> </ul>
Diesel Services	7221	Diesel Services Capstone	Supply Chain & Transportation	DESL SRV CAP	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics K-12</li> </ul>	<ul style="list-style-type: none"> <li>Standard Trade &amp; Industrial: Diesel Mechanics 9-12</li> <li>Occupational Specialist I, II or III: Diesel Mechanics 9-12</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Diesel Service Technology</li> <li>Workplace Specialist: Diesel Service Technology</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Diesel Services 5-12</li> <li>Workplace Specialist: Diesel Service 9-12</li> </ul>
Supply Chain and Logistics	7155	Logistics Management	Supply Chain & Transportation	LOG MGMT	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Logistics</li> <li>Business with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Trade &amp; Industrial: Logistics 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Logistics 9-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>

Pathway	Course Number	Secondary Course Title	Career Cluster	Course Abbreviation	Bulletin 400	Rules 46-47	Rules 2002	REPA/REPA3
Supply Chain and Logistics	7142	Supply Chain Management	Supply Chain & Transportation	SUP CH MGMT	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Logistics</li> <li>Business with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Logistics</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Trade &amp; Industrial: Logistics 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Logistics 9-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
Supply Chain and Logistics	7258	Supply Chain Management Capstone	Supply Chain & Transportation	SUP CH MGMT CAP	<ul style="list-style-type: none"> <li>Business Education 7-12</li> <li>Distributive Education K-12</li> </ul>	<ul style="list-style-type: none"> <li>Business Education 9-12</li> <li>Marketing Education 9-12</li> <li>Distributive Education K-12</li> <li>Business Education with Vocational Endorsement 9-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Logistics</li> <li>Business with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>CTE: Marketing with high school setting</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Logistics</li> </ul>	<ul style="list-style-type: none"> <li>Business 5-12</li> <li>CTE: Trade &amp; Industrial: Logistics 5-12</li> <li>CTE: Business &amp; Information Technology 5-12</li> <li>CTE: Business Services &amp; Technology 5-12</li> <li>Workplace Specialist: Logistics 9-12</li> <li>CTE: Marketing 5-12</li> <li>Workplace Specialist: Advanced Business Management 9-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	6128	Advanced Career & Technical Education, College Credit: Supply Chain & Transportation	Supply Chain & Transportation	ADV CTE CC TRANS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
	6156	Supply Chain & Transportation: Special Topics	Supply Chain & Transportation	TRANS ST	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K-12</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> <li>Appropriate Vocational license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> <li>Appropriate CTE license</li> </ul>
	4798	Introduction to Supply Chain & Transportation	Supply Chain & Transportation	INT TRANS	<ul style="list-style-type: none"> <li>Industrial Arts 7-12, K12</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Technology K-12</li> <li>Industrial Education K-12</li> <li>Occupational Specialist I, II or III in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education with high school setting</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>	<ul style="list-style-type: none"> <li>Technology Education 5-12</li> <li>Workplace Specialist I or II in related course approved for a CTE pathway</li> </ul>
	7622	Tractor/Trailer Operation	Supply Chain & Transportation	TRACT OPER	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>No License Available</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial: Tractor/Trailer Operation</li> <li>Workplace Specialist: Tractor/Trailer Operation</li> </ul>	<ul style="list-style-type: none"> <li>CTE: Trade &amp; Industrial Tractor/Trailer Operation 5-12</li> <li>Workplace Specialist: Tractor/Trailer Operation 9-12</li> </ul>