

# *Business and Industry*

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
<b>Veterinary Studies</b>	<b>Principles of Agriculture, Food and Natural Resources</b> (1 credit)	<b>Veterinary Medical Applications</b> (1 credit) <i>Prerequisite: Principles of Agriculture, Food and Natural Resources</i>	<b>Advanced Animal Science</b> (1 credit) <b>AND</b> <b>Scientific Research &amp; Design: Veterinary Clinical Skills</b> (1 credit) <i>Prerequisite: Veterinary Medical Applications</i>	<b>Practicum in Agriculture, Food and Natural Resources</b> (2 credits) <i>Prerequisites: Scientific Research &amp; Design: Veterinary Clinical Skills</i>	<b>Wildlife, Fisheries, and Ecology Management</b> (1 credit), <b>Small Animal Management</b> (.5 credit) <b>and Equine Science</b> (.5 credit), <b>Agribusiness Management and Marketing</b> (1 credit), <b>Livestock Production</b> (1 credit), <b>Introduction to Welding</b> (1 credit)
<b>Plant Science</b>	<b>Principles of Agriculture, Food and Natural Resources</b> (1 credit)	<b>Horticultural Science</b> (1 credit) <b>AND</b> <b>1 or more credits from the following 3 courses:</b>  <b>Turf Grass Management</b> (.5 credit), <b>Landscape Design</b> (.5 credit), <b>Floral Design</b> (1 credit) <i>Prerequisite: Principles of Agriculture, Food and Natural Resources</i>	<b>Choose 1 or more credits from the following 3 courses:</b>  <b>Greenhouse Operation &amp; Production</b> (1 credit), <b>Advanced Floral Design</b> (1 credit), <i>Prerequisite: Floral Design,</i> <b>Advanced Plant and Soil Science</b> (1 credit) <i>Prerequisite: Horticultural Science</i>	<b>Practicum in Agriculture, Food and Natural Resources</b> (2 credits) <i>Prerequisites: 3 credits in the Plant Science Program</i>	<b>Agribusiness Management and Marketing</b> (1 credit)

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<b>Architectural Design</b>	<b>Principles of Architecture</b> (1 credit)	<b>Architectural Design I</b> (1 credit) <i>Prerequisite: Principles of Architecture, Algebra 1, and English 1</i>	<b>Architectural Design II</b> (2 credits) <i>Prerequisite: Architectural Design I and Geometry</i>	<b>Practicum in Architectural Design</b> (2 credits) <i>Prerequisite: 3 credits in the Architectural Design Program including Architectural Design II</i>	<b>Interior Design I</b> (1 credit)
<b>Construction Technology</b>  (2021-2022 Freshmen and Sophomores)	<b>Principles of Construction</b> (1 credit)	<b>Construction Technology I</b> (2 credits) <i>Prerequisite: Principles of Construction</i>	<b>Construction Technology II</b> (2 credits) <i>Prerequisite: Construction Technology I</i>	<b>Practicum in Construction Technology</b> (2 credits) <i>Prerequisite: 3 credits in the Construction Tech Program including Construction Technology II</i>	<b>Construction Management I</b> (2 credits), <b>Introduction to Welding</b> (1 credit), <b>Applied Math for Technical Professionals</b> (1 credit)
<b>Construction Management</b>  (2021-2022 Juniors and Seniors)	<b>Principles of Construction</b> (1 credit)	<b>Construction Management I</b> (2 credits) <i>Prerequisite: Principles of Construction</i>	<b>Construction Management II</b> (2 credits) <i>Prerequisite: Construction Management I</i>	<b>Practicum in Construction Management</b> (2 credits) <i>Prerequisite: 3 credits in the Construction Mgmt Program including Construction Mgmt II</i>	<b>Introduction to Welding</b> (1 credit)
<b>HVAC (Heating, Ventilation and Air Conditioning)</b>	<b>Principles of Construction</b> (1 credit)	<b>HVAC and Refrigeration Technology I</b> (1 credit) <b>AND</b> <b>Sheet Metal</b> (1 credit) <i>Prerequisite: Principles of Construction</i>	<b>HVAC and Refrigeration Technology II</b> (2 credits) <i>Prerequisite: HVAC &amp; Refrigeration I</i>	<b>Practicum in Construction Technology</b> (2 credits) <i>Prerequisite: 3 credits in the HVAC Program including HVAC &amp; Refrigeration II</i>	<b>Construction Management I</b> (2 credits), <b>Introduction to Welding</b> (1 credit), <b>Electrical Technology I</b> (1 credit), <b>Construction Technology I</b> (2 credits), <b>Applied Math for Technical Professionals</b> (1 credit)
<b>Plumbing Technology</b>	<b>Principles of Construction</b> (1 credit)	<b>Plumbing Technology I</b> (1 credit) <b>AND</b> <b>Pipefitting Technology I</b> (1 credit) <i>Prerequisite: Principles of Construction</i>	<b>Plumbing Technology II</b> (2 credits) <b>AND</b> <b>Pipefitting Technology II</b> (2 credits) <i>Prerequisite: Plumbing Technology I and Pipefitting Technology I</i>	<b>Practicum in Construction Technology</b> (2 credits) <i>Prerequisite: 3 credits in the Plumbing and Pipefitting program including Plumbing Tech II and Pipefitting Tech II</i>	<b>Construction Management I</b> (2 credits), <b>Introduction to Welding</b> (1 credit), <b>Construction Technology I</b> (2 credits), <b>Applied Math for Technical Professionals</b> (1 credit)

<p><b>Electrical Technology</b></p>	<p><b>Principles of Construction</b> (1 credit)</p>	<p><b>Electrical Technology I</b> (1 credit) <i>Prerequisite:</i> <i>Principles of Construction</i></p>	<p><b>Electrical Technology II</b> (2 credits) <i>Prerequisite:</i> <i>Electrical Technology I</i></p>	<p><b>Practicum in Construction Technology</b> (2 credits) <i>Prerequisite: 3 credits in the Electrical program including Electrical Technology II</i></p>	<p><b>Construction Management I</b> (2 credits), <b>Introduction to Welding</b> (1 credit), <b>Construction Technology I</b> (2 credits). <b>Applied Math for Technical Professionals</b> (1 credit)</p>
<p><b>Interior Design</b></p>	<p><b>Principles of Architecture</b> (1 credit)</p>	<p><b>Interior Design I</b> (1 credit) <i>Prerequisite:</i> <i>Principles of Architecture, Algebra I, and English 1</i></p>	<p><b>Interior Design II</b> (2 credits) <i>Prerequisite:</i> <i>Interior Design I, English II, and Geometry</i></p>	<p><b>Practicum in Architectural Design</b> (2 credits) <i>Prerequisite: 3 credits in the Interior Design Program, including Interior Design II</i></p>	<p><b>Architectural Design I</b> (1 credit)</p>

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
<p align="center"><b>Design &amp; Multimedia Arts</b></p>	<p align="center"><b>Principles of Arts, Audio/Video Technology and Communications</b> (1 credit)</p>	<p align="center">Choose 1 of the following courses:</p> <p align="center"><b>Animation I</b> (1 credit), <b>Graphic Design and Illustration I</b> (1 credit)</p> <p align="center"><i>Prerequisite: Principles of A/V</i></p>	<p align="center">Choose 1 of the following courses:</p> <p align="center"><b>Animation I</b> (1 credit), <b>Animation II/Animation II Lab</b> (2 credits), <b>Graphic Design and Illustration I</b> (1 credit), <b>Graphic Design and Illustration II/Graphic Design and Illustration II Lab</b> (2 credits)</p> <p align="center"><i>Prerequisite: Animation I, Graphic Design I</i></p>	<p align="center">Choose 1 of the following courses:</p> <p align="center"><b>Animation II/Animation II Lab</b> (2 credits), <b>Graphic Design and Illustration II/Graphic Design and Illustration II Lab</b> (2 credits), <b>Practicum in Animation</b> (2 credits), <b>Practicum in Graphic Design and Illustration</b> (2 credits)</p> <p align="center"><i>Prerequisite: 3 credits of Design &amp; Multimedia Arts</i></p>	<p align="center"><b>Commercial Photography I</b> (1 credit), <b>Digital Media</b> (1 credit), <b>Social Media Marketing</b> (.5 credit)</p>
<p align="center"><b>Digital Communications</b></p>	<p align="center"><b>Principles of Arts, Audio / Video Technology and Communications</b> (1 credit)</p>	<p align="center"><b>Audio / Video Production I</b> (1 credit) <i>Prerequisite: Principles of Arts and AV</i></p>	<p align="center"><b>Audio / Video Production II/ Audio/Video Production II Lab</b> (2 credits) <i>Prerequisite: Audio/Video I</i></p>	<p align="center"><b>Practicum in Audio/Video Production</b> (2 credits) <i>Prerequisite: Audio/Video Production II/Audio/Video Production II Lab</i></p>	<p align="center"><b>Commercial Photography I</b> (1 credit)</p>
<p align="center"><b>Fashion Design</b></p>	<p align="center"><b>Professional Communications</b> (.5 credit) <b>AND</b> <b>Touch System Data Entry</b> (.5 credit) <b>OR</b> <b>Principles of Human Services</b> (1 credit)</p>	<p align="center"><b>Fashion Design I</b> (1 credit)</p>	<p align="center"><b>Graphic Design and Illustration I</b> (1 credit) <i>Prerequisite: Fashion Design I</i></p>	<p align="center"><b>Fashion Design II/ Fashion Design II Lab</b> (2 credits) <i>Prerequisite: Fashion Design I and Graphic Design I</i></p>	<p align="center"><b>Fashion Marketing</b> (.5 credit), <b>Principles of Arts/A/V Tech &amp; Comm</b> (1 credit)</p>

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<b>Business Management</b>	<b>Principles of Business, Marketing, and Finance</b> (1 credit)	<b>Choose 1 of the following courses:</b>  <b>Business Information Management I</b> (1 credit), <b>Money Matters</b> (1 credit) <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance</i>	<b>Choose 1 of the following courses:</b>  <b>Business Information Management I</b> (1 credit), <b>Business Information Management II</b> (1 credit), <b>Business Management</b> (1 credit), <b>Money Matters</b> (1 credit)  <i>Prerequisite:</i> <i>Principles of Business, Marketing, and Finance and 1 additional business course</i>	<b>Choose 1 of the following courses:</b>  <b>Practicum in Business Management</b> (2 credits), <b>Business Information Management II</b> (1 credit), <b>Business Management</b> (1 credit), <b>Statistics and Business Decision Making</b> (1 credit) <i>Prerequisite:</i> <i>Algebra II</i> <b>Career Preparation I/Extended Career Preparation</b> (3 credits) <i>Prerequisite: 3 credits of business courses</i>

<b>Business Communications*</b>				
Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<b>Debate</b>	<b>Debate I</b> (1 credit)	<b>Debate II OR Oral Interpretation I</b> (1 credit) <i>Prerequisite:</i> <i>Debate I</i>	<b>Debate III OR Oral Interpretation II</b> (1 credit) <i>Prerequisite:</i> <i>2 credits in Debate pathway</i>	<b>Independent Study in Speech</b> (1 credit) <i>Prerequisite:</i> <i>3 credits in Debate pathway</i>
<b>Broadcast Journalism</b>	<b>Contemporary Media</b> (1 credit)	<b>Advanced Broadcast Journalism I</b> (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	<b>Advanced Broadcast Journalism II</b> (1 credit) <i>Prerequisite:</i> <i>Advanced Broadcast Journalism I</i>	<b>Advanced Broadcast Journalism III</b> (1 credit) <i>Prerequisite:</i> <i>Advanced Broadcast Journalism II</i>
<b>Newspaper</b>	<b>Contemporary Media</b> (1 credit)	<b>Newspaper I</b> (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	<b>Newspaper II</b> (1 credit) <i>Prerequisite: Newspaper I</i>	<b>Newspaper III</b> (1 credit) <i>Prerequisite: Newspaper II</i>
<b>Yearbook</b>	<b>Contemporary Media</b> (1 credit)	<b>Yearbook I</b> (1 credit) <i>Prerequisite:</i> <i>Contemporary Media</i>	<b>Yearbook II</b> (1 credit) <i>Prerequisite: Yearbook I</i>	<b>Yearbook III</b> (1 credit) <i>Prerequisite: Yearbook II</i>

\*Denotes non-CTE Pathways

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<b>Accounting and Financial Services</b>	<b>Principles of Business, Marketing, and Finance</b> (1 credit)	<p><b>Choose 1 or more credits:</b></p> <p><b>Money Matters</b> (1 credit)</p> <p><b>OR</b></p> <p><b>Accounting I</b> (1 credit), <i>Prerequisite: Principles of Business, Marketing, and Finance</i></p>	<p><b>Choose 1 or more credits:</b></p> <p><b>Statistics and Business Decision Making</b> (1 credit) <i>Prerequisite: Algebra II,</i></p> <p><b>Accounting I</b> (1 credit), <b>Accounting II</b> (1 credit), <i>Prerequisite: Accounting I</i></p>	<p><b>Choose 2 or more credits from the following courses:</b></p> <p><b>Practicum in Business Management</b> (2 credits) <i>Prerequisite: 3 credits of Business courses,</i></p> <p><b>Statistics and Business Decision Making</b> (1 credit) <i>Prerequisite: Algebra II,</i></p> <p><b>Accounting II</b> (1 credit), <i>Prerequisite: Accounting I</i></p>

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
<b>Culinary Arts</b>	<p><b>Professional Communications</b> (.5 credit) <b>AND</b> <b>Touch System Data Entry</b> (.5 credit)</p> <p><b>OR</b></p> <p><b>Principles of Human Services</b> (1 credit)</p>	<b>Introduction to Culinary Arts</b> (1 Credit)	<b>Culinary Arts</b> (2 Credits) <i>Prerequisite: Introduction to Culinary Arts</i>	<b>Practicum in Culinary Arts</b> (2 Credits) <i>Prerequisite: Culinary Arts</i>	<b>Lifetime Nutrition &amp; Wellness</b>

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
<b>Networking Systems/Maintenance</b>	<b>Professional Communications</b> (.5 credit) <b>AND</b> <b>Touch System Data Entry</b> (.5 credit)	<b>Computer Maintenance</b> (1 Credit) <i>Prerequisite:</i> <i>None</i>	<b>Networking/Networking Lab</b> (2 Credits) <i>Prerequisite:</i> <i>Computer Maintenance</i>	<b>Practicum in Information Technology: Networking Systems/Maintenance</b> (2 credits) <i>Prerequisite:</i> <i>Computer Maintenance and Networking/Networking Lab</i>	<b>Computer Science I Advanced</b> (1 credit), <b>Digital Media</b> (1 credit)

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade	Optional Electives
<b>Welding</b>	<b>Introduction to Welding</b> (1 credit)	<b>Welding I</b> (2 credits) <i>Prerequisite:</i> <i>Introduction to Welding</i>	<b>Welding II</b> (2 credits) <i>Prerequisite:</i> <i>Welding I</i>	<b>Practicum in Manufacturing</b> (2 credits) <i>Prerequisite:</i> <i>3 credits in the Welding program, including Welding II</i>	<b>Construction Technology I</b> (2 credits), <b>Applied Math for Technical Professionals</b> (1 credit)

\*Applied Math for Technical Professionals can be used as a math credit.

Program of Study Course Sequence	9th Grade	10th Grade	11th Grade	12th Grade
<b>Marketing</b>	<b>Principles of Business, Marketing &amp; Finance</b> (1 credit)	<b>Advertising</b> (.5 credit) <b>AND</b> <b>Choose one or more of the following courses:</b>  <b>Fashion Marketing</b> (.5 credit), <b>Sports &amp; Entertainment Marketing</b> (.5 credit), <b>Social Media Marketing</b> (.5 credit)  <i>Prerequisite:</i> <i>Principles of Business, Marketing, &amp; Finance</i>	<b>Advanced Marketing</b> (2 credits) <i>Prerequisite:</i> <i>2 credits of marketing courses</i>	<b>Practicum in Marketing</b> (2 credits) <i>Prerequisite:</i> <i>Advanced Marketing</i> <b>AND/OR</b> <b>Statistics and Business Decision Making</b> (1 credit) <i>Prerequisite:</i> <i>Algebra II,</i> <b>Career Preparation I/Extended Career Preparation</b> (3 credits) <i>Prerequisite: 3 credits of Marketing courses</i>

\*Statistics and Business Decision Making is new to the pathway and counts as a math credit.

<b>Program of Study Course Sequence</b>	<b>9th. Grade</b>	<b>10th. Grade</b>	<b>11th. Grade</b>	<b>12th. Grade</b>
<b>Automotive</b>	<b>Automotive Basics</b> (1 Credit)	<b>Automotive Technology I: Maintenance and Light Repair</b> (2 Credits) <i>Prerequisite: Automotive Basics</i>	<b>Automotive Technology II: Automotive Service</b> (2 Credits) <i>Prerequisite: Automotive Technology I</i>	<b>Practicum in Transportation Systems</b> (2 Credits) <i>Prerequisite: 3 credits in Automotive Technology Program</i>

\*Automotive classes are not stand-alone electives and should be taken only by students who have chosen Automotive as their pathway.