

## **MCTC Career Concentrations 2021-2022**

Note: Students completing these career concentrations will graduate from Monroe County Technical Center (MCTC) in addition to JMHS. It is advantageous for students to graduate from both MCTC and JMHS. All students are encouraged to complete a CTE concentration.

### **Agriculture, Food and Natural Resources**

#### *CTE Agribusiness Track*

- 0101 Intro to Agriculture, Food and Natural Resources
- 0102 The Science of Agriculture

Choose one of the following:

- 0112 Fundamentals of Ag Mechanics
- 0139 Fundamentals of Animal Processing
- 0140 Animal Production and Management
- AND 0134 Agricultural Experience Program (SAE Record book)

#### *CTE Animal Processing Track*

- 0101 Intro to Agriculture, Food, and Natural Resources
- 0139 Fundamentals of Animal Processing
- 0151 Animal Processing-Retail or 0160 Animal Processing - Plant
- AND 0134 Agricultural Experience Program (SAE Record Book)

#### *CTE Animal Systems Track*

- 0101 Intro to Agriculture, Food and Natural Resources
- 0140 Animal Production Management
- 0230 Livestock Production
- AND 0134 Agricultural Experience Program (SAE Record book)

#### *CTE Power, Structural and Technical Systems*

- 0101 Intro to Agriculture, Food and Natural Resources
- 0112 Fundamentals of Agriculture Mechanics
- Choose one of the following:
- 0113 Agriculture Structures
- 0114 Agriculture Equipment and Repair
- 2002 Agriculture Small Engine Repair
- AND 0134 Agricultural Experience Program (SAE Record book)

### **Architecture and Construction**

#### *CTE Construction Concentration*

- 1842 Carpentry I
- 1843 Carpentry II
- 1844 Carpentry III
- 1845 Carpentry IV

### **Business Management and Administration**

#### *CTE Administrative Support*

- 1439 Intro to Business and Marketing
- 1411 Business Computer I
- Choose two of the following:
- 1413 Business Computer II
- 1445 Management and Entrepreneurship
- 1451 Personal Finance

### **Government and Public Administration**

#### *CTE JROTC*

- 1065 JROTC I
- 1066 JROTC II
- 1080 JROTC III
- 1081 JROTC IV

### **Health Sciences**

#### *CTE Biomedical Science (PLTW)*

- 0727 Principles of Biomedical Sciences
- 0766 Human Body Systems
- 0780 Medical Interventions
- 0795 Biomedical Innovation: Capstone

#### *CTE Therapeutic Services*

- 0711 Foundations of Health Science
- 0715 Advanced Principles of Health Science
- 0789 Clinical Specialty I
- 0790 Clinical Specialty II and 0730 Health Science Clinical

### **Human Services**

#### *CTE Careers in Education*

- 1301 Foundation in Education
- 1302 Student Learning Development & Diversity
- 1135 Seminar in Education Practice
- Choose one of the following:
- 1003 Early Childhood Education
- 8016 Elementary Literacy Awareness

#### *CTE Human Services*

- 0928 Fundamentals of Human Services
- 0904 Human Development
- 1071 Seminar in Human Services
- 1070 Practical Applications in Human Services

### **Law, Public Safety, Correction and Security**

#### *CTE Law and Public Safety*

- 1225 Fundamentals of Public Safety Leadership
- 1226 Ethical Practices of Public Safety Leadership
- 1034 Seminar in Corrections
- 1039 Practical Applications of Public Safety

## JMHS Local Career Concentration Requirements

These are all non-CTE concentrations.

\*These requirements may be reached by substituting WVDE Virtual School credits in lieu of similar class listed below, if it meets the intent of the student's Personalized Education Plan. Similarly, students who transfer to JMHS may use similar credits which they have earned at their previous school to meet the four credits to complete the local cluster.

### **Agriculture, Food and Natural Resources**

#### ***Non-CTE Agriculture Concentration***

Choose 4 courses from:

- AP courses
- CTE Agriculture Courses
- CTE Business Courses
- Health or PE Electives
- Science Electives
- World Languages

### **Architecture and Construction**

#### ***Non-CTE Architecture & Carpentry Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- CTE Carpentry Courses
- Math Electives
- PE Electives
- World Languages

### **Arts, Audio/Video Tech & Communication**

#### ***Non-CTE Arts and Communication Concentration***

Choose 4 courses from:

- AP courses
- English Language Arts Electives
- Fine Art Electives
- CTE Business Courses
- World Languages

### **Business Management and Admin**

#### ***Non-CTE Business Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- English Language Arts Electives
- Math Electives
- Travel WV
- World Languages

### **Education and Training**

#### ***Non-CTE Education Concentration***

Choose 4 courses from:

- AP courses
- CTE Early Childhood Education Courses
- CTE Business Courses
- English, Math, Science or Social Studies Electives
- World Languages

### **Finance**

#### ***Non-CTE Finance Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- CTE Carpentry Courses
- Math Electives
- CTE JROTC Courses
- World Languages

### **Government and Public Admin**

#### ***Non-CTE Government Concentration***

Choose 4 courses from:

- AP courses
- CTE JROTC Courses
- CTE Public Law & Safety Courses
- English Electives
- Social Studies Electives
- World Languages

### **Health Science**

#### ***Non-CTE Health Field Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- CTE Health Science Courses
- Math Electives
- Science Electives
- World Languages

### **Hospitality & Tourism**

#### ***Non-CTE Business Enterprise Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- Driver's Education
- English Language Arts Electives
- Fine Arts Electives
- Travel WV
- World Languages

### **Human Services**

#### ***Non-CTE Health and Human Services Concentration***

Choose 4 courses from:

- AP courses
- Career Exploration
- CTE Business Courses
- CTE Early Childhood Education Courses
- CTE Health Science Courses
- CTE JROTC Courses
- CTE Public Law & Safety
- Driver's Education
- English Language Arts Electives
- Social Studies Electives
- World Languages

### **Information Technology**

#### ***Non-CTE Computer Information Systems Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- English Language Arts Electives
- World Languages

### **Law, Public Safety, Corrections & Security**

#### ***Non-CTE Security and Law Concentration***

Choose 4 courses from:

- AP courses
- CTE JROTC Courses
- CTE Public Law & Safety Courses
- Social Studies Electives
- World Languages

### **Manufacturing**

#### ***Non-CTE Manufacturing and Assembly Concentration***

Choose 4 courses from:

- AP courses
- CTE Carpentry Courses
- English Language Arts Electives
- Science Electives
- World Languages

### **Marketing, Sales and Service**

#### ***Non-CTE Commercialism Concentration***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- English Language Arts Electives
- Fine Arts Electives
- World Languages

### **Science, Technology, Manufacturing and Engineering**

#### ***Non-CTE STEM Concentration***

Choose 4 courses from:

- AP courses
- CTE Carpentry Courses
- Math Electives
- Science Electives
- World Languages

### **Transportation, Distribution and Logistics**

#### ***Non-CTE Transit Planning and Distribution***

Choose 4 courses from:

- AP courses
- CTE Business Courses
- CTE JROTC Courses
- Driver's Education
- English Language Arts Electives
- World Languages
- Travel WV