**James Monroe High School**

**Career Clusters and Course Requirements**

**Agriculture, Food and Natural Resources:**

**CTE Agribusiness Track:**

0101 Intro to Agriculture, Food and Natural Resources

0102 The Science of Agriculture

0136 Advanced Principles of Agriculture

Or 0112 Fundamentals of Ag Mechanics

Or 0111 Food Science Technology

Or 0139 Fundamentals of Animal Processing

AND 0134 Agricultural Experience Program (SAE Recordbook)

***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)

***Agriculture Non CTE Track:***

0101 Intro to Agriculture

5661 Spanish I

5662 Spanish II

6033 Chemistry II or 2910 Environmental Science

**Architecture and Construction:**

**CTE Construction Concentration**

1842 Carpentry I

1843 Carpentry II

1844 Carpentry III

1845 Carpentry IV

***Non CTE Architecture Concentration***

1842 Carpentry I

5661 Spanish I

5662 Spanish II

2031 CIM I

**Arts, A/V Technology and Communication**

**Non CTE Arts, A/V Technology and Communication (Option 1)**

3221 Art I

1431 Digital Imaging or 4021 Advanced Communication

5661 Spanish I

5662 Spanish II

**Non CTE Arts, A/V Technology and Communication (Option 2)**

3611 Band I

3612 Band II

3613 Band III

3614 Band IV

**Non CTE Arts, A/V Technology and Communication (Option 3)**

3211 Art I

3212 Art II

3213 Art III

3214 Art IV

**Business Management and Administration**

***CTE Accounting Track***

1401 Accounting I

1411 Business Computer I

1439 Intro to Business and Marketing

1451 Personal Finance or 1403 Accounting II

**CTE Information Management**

1411 Business Computer I

1431 Digital Imaging I

1455 Web Page Publishing

1429 Desktop Publishing OR 1432 Digital Imaging II

**CTE Administrative Support**

1439 Intro to Business and Marketing

1411 Business Computer I

1413 Business Computer II

1401 Accounting I

**CTE Visual Arts**

1431 Digital Imaging

1455 Web Page Publishing

3213 Art III

3214 Art IV

***Non CTE Business Management and Administration***

5661 Spanish I

5662 Spanish II

1439 Intro to Business and Marketing

4021 Advanced Communications

**Education and Training**

***CTE Early Childhood Education***

1003 Childhood Education I

1004 Childhood Education II

1008 Early Childhood Education III

1009 Early Childhood Education IV

**Non CTE Education and Training**

1003 Childhood Education I

5661 Spanish I

5662 Spanish II

4021 Advanced Communications

**Finance**

**CTE Finance/Accounting Track**

1401 Accounting I

1411 Business Computer I

1439 Intro to Business and Marketing

1451 Personal Finance or 1403 Accounting II

**Non CTE Finance Track**

1401 Accounting I

1451 Personal Finance

5661 Spanish I

5662 Spanish II

**Government and Public Administration**

**Non CTE Government and Public Administration Track**

1225 Fundamentals of Public Safety Leadership

7109 Law Studies

4021 Advanced Communications

1065 JROTC

**Health Sciences**

**CTE Health Sciences**

0711 Foundations of Health Science

0715 Advanced Principles of Health Science

0789 Clinical Specialty I

0790 Clinical Specialty II

**Non CTE Health Sciences**

0721 Medical Terminology

6033 Chemistry II

6103 Human Anatomy

6023 Biology II or 3021 AP Biology

**Hospitality and Tourism**

***Non CTE Hospitality and Tourism***

1439 Intro to Business and Marketing

3671 Music Appreciation

5661 Spanish I

5662 Spanish II

**Human Services**

**Non CTE Human Services**

1003 Childhood Education I

1225 Fundamentals of Public Safety Leadership

5661 Spanish I

5662 Spanish II

**Information Technology**

**CTE Information Management**

1411 Business Computer I

1431 Digital Imaging I

1455 Web Page Publishing

1429 Desktop Publishing OR 1432 Digital Imaging II

**Non CTE Information Technology**

1431 Digital Imaging I

1225 Introduction to Law and Public Safety

4071 Yearbook

1411 Business Computer I

**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

**Non CTE Law, Public Safety, Correction and Security**

7109 Law Studies

1225 Fundamentals of Public Safety Leadership

4021 Advanced Communications

5661 Spanish I

**Manufacturing**

**CTE Computer Integrated Manufacturing**

2031 CIM I

2032 CIM II

2033 CIM III

2034 CIM IV

**Non CTE Manufacturing Track**

2031 CIM I

4021 Advanced Communications

5661 Spanish I

5662 Spanish II

**Marketing**

**CTE Administrative Support**

1439 Intro to Business and Marketing

1411 Business Computer I

1413 Business Computer II

1401 Accounting I

**Non CTE Marketing**

4021 Advanced Communications

1439 Intro to Business and Marketing

5661 Spanish I

5662 Spanish II

**Science, Technology, Engineering and Mathematics**

**CTE CIM**

2031 CIM I

2032 CIM II

2033 CIM III

2034 CIM IV

**Non CTE STEM**

3015 Math III STEM

3048 Trigonometry

6041 Physics

6033 Chemistry II or 2910 Environmental Science

**Transportation, Distribution and Logistics**

**Non CTE Transportation**

6812 Driver’s Education

4021 Advanced Communication

6733 Lifetime Fitness

1451 Personal Finance