

## 2008 - 2009 Program of Study - Secondary

Submitted by CTPD Name: \_\_\_\_\_

CTPD Number: 200115 \_\_\_\_\_

### Secondary Program Information

**School District Name:** Perry Local Schools  
**School District IRN:** 049924  
**Building (location) Name:** Perry High School  
**Building (location) IRN:** 029702

**Career Field:** Construction Technologies  
**Pathway Name:** Construction  
**Program Name:** Building Technologies  
**EMIS Subject Code:** 171017  
**Local Program Name:** Construction Technologies

**Specify Industry Credential Opportunities (if applicable):** \_\_\_\_\_

|       |                                       |      |  |      |                                    |      |                      |      | Required or Elective Academic Course and Other Courses |       |        |      | Career and Technical Education Courses |       |                              |       |
|-------|---------------------------------------|------|--|------|------------------------------------|------|----------------------|------|--|-------|--------|------|--|-------|------------------------------|-------|
| Grade | English                               | Code | Math   | Code | Science                            | Code | Social Studies       | Code | Course   | Code  | Course | Code | CTE Course                             | Code  | CTE Course                   | Code  |
| 9     | College Prep English 9 OR English 9   | RA   | College Prep Algebra I OR Algebra I            | RA   | Physical Science                   | RA   | World History        | RA   | Health / Physical Ed.                                  | RA    |        |      | Woods I                                | RE    | Tech Draw I and Tech Draw II | CT RE |
| 10    | English 10 OR College Prep English 10 | RA   | College Prep Geometry OR Geometry              | RA   | Biology / Life Science/lab         | RA   | American History     | RA   | Applied Computer Applications                          | CT RE | P.E.   | RA   | Technical Draw I and Tech Draw II      | CT RE |                              |       |
| 11    | English 11 OR College Prep English 11 | RA   | Intro to Algebra II OR College Prep Algebra II | RA   | Integrated Science / Chemistry lab | RA   | History / Government | RA   | Foreign Language                                       | RE    |        |      | Building Trades I                      | CT CC |                              |       |
| 12    | English 12 OR College Prep English 12 | RA   | Algebra II OR College Prep Pre Calc            | RA   | Science (Physics)                  | RA   | History / Government | RA   |  |       |        |      | Building Trades II                     | CT CC |                              |       |

**Contact Person:** Jennifer Reese

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**CODES** (use all that apply)

**RA:** Required Courses

**CT:** Career-Technical Courses

**RE:** Recommended Electives

**CT2:** Eligible for CT2 Credit

**CC:** College Credit Opportunities based on articulation or dual/concurrent enrollment agreements

## 2008 - 2009 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology

Civil Engineering Technology

Construction Management

College Major: (if applicable) \_\_\_\_\_

Option \_\_\_\_\_

College Degree: (if applicable) \_\_\_\_\_

Associate of Applied Science

Specify Industry Credential Opportunities (if applicable): \_\_\_\_\_

Certificate, Adult and/or Apprenticeship Program: (if applicable) \_\_\_\_\_

Secondary Program Name: Construction Tech

Secondary School Name: Perry High School

District Name: Perry Local Schools

|                            | Course                              | Code      | Course  | Code              | Course  | Code                     | Course  | Code              | Course                                     | Code             | Course  | Code      | Course   | Code      | Course | Code |
|----------------------------|-------------------------------------|-----------|---|-------------------|---|--------------------------|---|-------------------|--|------------------|---|-----------|--|-----------|--------|------|
| <b>Year 1<br/>1st Sem.</b> | MTH 125 College Algebra : 4         | <b>RA</b> | MTH128 Trigonometry 1   | <b>RA</b>         | CET121 Building Materials & Construction Methods: 3 | <b>RT<br/>CC<br/>TAG</b> | CET237 Interpreting Construction Documents: 2 | <b>RT<br/>CC</b>  | DET 125 Basic AutoCAD: 3                   | <b>RT<br/>CC</b> | ETD 121 Engineering Technology Seminar: 1             | <b>RT</b> | ECA 122 Computer Applications for Technical Professionals: 3 | <b>RT</b> |        |      |
| <b>Year 1<br/>2nd Sem.</b> | MTH126 Pre-Calculus 4               | <b>RA</b> | MET 124 Statics & Strength of Materials: 4                      | <b>RT<br/>TAG</b> | CET 125/222 Soil Mechanics or Concrete & Asphalt: 3 | <b>RT<br/>TAG</b>        | PHY 121 Physics I: 4                          | <b>RA<br/>TAG</b> | Arts/Humanities/Social Science Elective: 3 | <b>RE</b>        |   |           |  |           |        |      |
| <b>Year 2<br/>1st Sem.</b> | ENG 124 College Composition: 3      | <b>RA</b> | MTH 221 Concepts of Calculus: 3                                 | <b>RA<br/>TAG</b> | CET 227 Surveying I: 3                              | <b>RT<br/>CC</b>         | CET 223 Structural Design I: 3                | <b>RT</b>         | CET 232 Land Planning & Design: 3          | <b>RT</b>        | CET 235 Construction Management, Job Cost & Safety: 3 | <b>RT</b> |  |           |        |      |
| <b>Year 2<br/>2nd Sem.</b> | ENG 221 Technical Report Writing: 3 | <b>RA</b> | COM 121/123 Effective Speaking or Inter-group Communications: 3 | <b>RA<br/>TAG</b> | CET 225 Site and Building Service Systems: 3        | <b>RT</b>                | CET 239 Building Code Applications: 2         | <b>RT</b>         | CET 226 Estimating: 3                      | <b>RT</b>        | CET 236 Global Positioning System: 3                  | <b>RT</b> |  |           |        |      |

Contact Person: Frank Fuller

Title: Dept Chair/Engineering Technologies

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Date Completed: 1/13/2009

**CODES** (use all that apply)

**RT:** Required Technical Courses

**CT2:** Eligible for CT2 Credit

**RA:** Other Required Courses

**TAG:** Eligible for TAG Credit

**RE:** Recommended Electives

**CC:** Other College Credit Opportunities (based on articulation or dual/concurrent enrollment agreements with partner high school)

## 2008 - 2009 Program of Study - Postsecondary Semesters

Postsecondary Institution:

Stark State College of Technology

College Major: *(if applicable)* **Civil Engineering Technology**  
**Surveying Major**

College Degree: *(if applicable)*

Associate of Applied Science

Specify Industry Credential Opportunities (if applicable):

Certificate, Adult and/or Apprenticeship Program: *(if applicable)*

Secondary Program Name: Construction Tech

Secondary School Name: Perry High School

District Name: Perry Local Schools

|                            | Course  | Code      | Course                                     | Code      | Course                                | Code      | Course   | Code            | Course                                   | Code      | Course   | Code     | Course   | Code | Course | Code |
|----------------------------|---|-----------|--|-----------|---------------------------------------|-----------|--|-----------------|--|-----------|--|----------|--|------|--------|------|
| <b>Year 1<br/>1st Sem.</b> | ENG 124 College Composition: 3                                  | RA        | MTH 125 College Algebra: 4                 | RA<br>CC  | MTH128 Trigonometry 1                 | RA        | CET 121 Building Materials & Construction Methods: 3 | RT<br>CC<br>TAG | CET 227 Surveying I: 3                   | RT<br>CC  | ETD 121 Engineering Technology Seminar: 1      | RT       | ECA 122 Computer Apps for Technical Professionals: 3 | RT   |        |      |
| <b>Year 1<br/>2nd Sem.</b> | MTH 126 Pre-Calculus 3  | RA        | MET 124 Statics & Strength of Materials: 4 | RT<br>TAG | CET 124 Highway & Map Drawing: 2      | RT        | CET 228 Surveying II: 3                              | RT<br>TAG       | PHY 121 Physics I: 4                     | RA<br>TAG |  |          |  |      |        |      |
| <b>Year 2<br/>1st Sem.</b> | ENG 221 Technical Report Writing: 3                             | RA        | MTH 221 Concepts of Calculus: 3            | RA        | CET 232 Land Planning & Design: 3     | RT        | CET 229 Surveying III: 3                             | RT              | CET 231 Legal Principles of Surveying: 3 | RT        | DET 125 Basic AutoCAD: 3                       | RT<br>CC |  |      |        |      |
| <b>Year 2<br/>2nd Sem.</b> | COM 121/123 Effective Speaking or Inter-group Communications: 3 | RA<br>TAG | CET 226 Estimating: 3                      | RT        | CET 222 Concrete & Asphalt Testing: 3 | RT<br>TAG | CET238 Tech Project - Civil Engineering 3            | RT              | CET 236 Global Positioning System: 3     | RT        | Arts / Humanities / Social Science Elective: 3 | RE       |  |      |        |      |

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**CODES** *(use all that apply)*

**RT:** Required Technical Courses

**CT2:** Eligible for CT2 Credit

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## 2008 - 2009 Program of Study - Postsecondary Semesters

**Postsecondary Institution:** Stark State College of Technology  
**College Major: (if applicable)** Civil Engineering Technology      **College Degree: (if applicable)** Associate of Applied Science  
**Specify Industry Credential Opportunities (if applicable):** \_\_\_\_\_  
**Certificate, Adult and/or Apprenticeship Program: (if applicable)** \_\_\_\_\_  
**Secondary Program Name:** Construction Tech      **Secondary School Name:** Perry High School      **District Name:** Perry Local Schools

|                            | Course  | Code              | Course                                     | Code              | Course                                      | Code              | Course   | Code                     | Course                                | Code              | Course                                     | Code      | Course   | Code      | Course | Code |
|----------------------------|---|-------------------|--|-------------------|---|-------------------|--|--------------------------|---------------------------------------|-------------------|--|-----------|--|-----------|--------|------|
| <b>Year 1<br/>1st Sem.</b> | ENG 124 College Composition: 3                                  | <b>RA</b>         | MTH 125 College Algebra 4                  | <b>RA<br/>CC</b>  | MTH128 Trigonometry 1                       | <b>RA</b>         | CET 121 Building Materials & Construction Methods: 3 | <b>RT<br/>CC<br/>TAG</b> | CET 122 Architectural Drafting I: 3   | <b>RT</b>         | ETD 121 Engineering Technology Seminar: 1  | <b>RT</b> | ECA 122 Computer Apps for Technical Professionals: 3 | <b>RT</b> |        |      |
| <b>Year 1<br/>2nd Sem.</b> | MTH 126 Pre-Calculus: 3   | <b>RA</b>         | MET 124 Statics & Strength of Materials: 4 | <b>RT<br/>TAG</b> | CET 125 Soil Mechanics: 3                   | <b>RT<br/>TAG</b> | CET 124 Highway & Map Drawing: 2                     | <b>RT</b>                | PHY 121 Physics I: 4                  | <b>RA<br/>TAG</b> |  |           |  |           |        |      |
| <b>Year 2<br/>1st Sem.</b> | ENG 221 Technical Report Writing: 3                             | <b>RA</b>         | MTH 221 Concepts of Calculus: 3            | <b>RA</b>         | CET 227 Surveying I: 3                      | <b>RT<br/>CC</b>  | CET 223 Structural Design I: 3                       | <b>RT</b>                | CET 222 Concrete & Asphalt Testing: 3 | <b>RT<br/>TAG</b> | CET 232 Land Planning & Design: 3          | <b>RT</b> |  |           |        |      |
| <b>Year 2<br/>2nd Sem.</b> | COM 121/123 Effective Speaking or Inter-group Communications: 3 | <b>RA<br/>TAG</b> | CET 226 Estimating: 3                      | <b>RT</b>         | CET 238 Tech Project - Civil Engineering: 3 | <b>RT</b>         | CET 225 Site and Building Service Systems: 3         | <b>RT</b>                | CET 228 Surveying II: 3               | <b>RT<br/>TAG</b> | Arts/Humanities/Social Science Elective: 3 | <b>RE</b> |  |           |        |      |

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**CODES** (use all that apply)

**RT:** Required Technical Courses      **CT2:** Eligible for CT2 Credit  
**RA:** Other Required Courses      **TAG:** Eligible for TAG Credit  
**RE:** Recommended Electives  
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## 2008 - 2009 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology

College Major: (if applicable) Civil Engineering Architectural Major College Degree: (if applicable) Associate of Applied Science

Specify Industry Credential Opportunities (if applicable): \_\_\_\_\_

Certificate, Adult and/or Apprenticeship Program: (if applicable) \_\_\_\_\_

Secondary Program Name: Construction Tech

Secondary School Name: Perry High School

District Name: Perry Local Schools

|                            | Course  | Code              | Course                                    | Code              | Course                                       | Code             | Course   | Code                     | Course                              | Code              | Course  | Code      | Course   | Code      |
|----------------------------|---|-------------------|---|-------------------|--|------------------|--|--------------------------|-------------------------------------|-------------------|---|-----------|--|-----------|
| <b>Year 1<br/>1st Sem.</b> | ENG 124 College Composition: 3                                  | <b>RA</b>         | MTH 125 College Algebra 4                 | <b>RA<br/>CC</b>  | MTH128 Trigonometry 1                        | <b>RA</b>        | CET 121 Building Materials & Construction Methods: 3 | <b>RT<br/>CC<br/>TAG</b> | CET 122 Architectural Drafting I: 3 | <b>RT</b>         | ETD 121 Engineering Technology Seminar: 1             | <b>RT</b> | ECA 122 Computer Applications for Technical Professionals: 3 | <b>RT</b> |
| <b>Year 1<br/>2nd Sem.</b> | MTH 126 Pre-Calculus 3  | <b>RA</b>         | MET 124 Statics & Strngth of Materials: 4 | <b>RT<br/>TAG</b> | CET 123 Architectural Drafting II: 3         | <b>RT</b>        | DET 125 Basic AutoCAD: 3                             | <b>RT<br/>CC</b>         | PHY 121 Physics I: 4                | <b>RA<br/>TAG</b> |   |           |  |           |
| <b>Year 2<br/>1st Sem.</b> | ENG 221 Technical Report Writing: 3                             | <b>RA</b>         | MTH 221 Concepts of Calculus: 3           | <b>RA</b>         | CET 227 Surveying I: 3                       | <b>RT<br/>CC</b> | CET 223 Structural Design I: 3                       | <b>RT</b>                | CET 232 Land Planning & Design: 3   | <b>RT</b>         | CET 235 Construction Management, Job Cost & Safety: 3 | <b>RT</b> |  |           |
| <b>Year 2<br/>2nd Sem.</b> | COM 121/123 Effective Speaking or Inter-group Communications: 3 | <b>RA<br/>TAG</b> | CET 226 Estimating: 3                     | <b>RT</b>         | CET 225 Site and Building Service Systems: 3 | <b>RT</b>        | CET 233 Architectural Design: 3                      | <b>RT</b>                | CET 234 A/E CAD: 2                  | <b>RT</b>         | Arts / Humanities/Social Science Elective: 3          | <b>RE</b> |  |           |

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**2008 - 2009 Program of Study - Postsecondary Semesters**

Postsecondary Institution: Stark State College of Technology

Electrical Maintenance

College Major: (if applicable) Technology

College Degree: (if applicable)

Associate of Applied Science

Specify Industry Credential Opportunities (if applicable): \_\_\_\_\_

Certificate, Adult and/or Apprenticeship Program: (if applicable)

Secondary Program Name: Construction Tech

Secondary School Name: Perry High School

District Name: Perry Local Schools

|                                | Course                                       | Code              | Course   | Code             | Course                                      | Code      | Course  | Code              | Course  | Code      | Course                                      | Code              | Course | Code | Course | Code |
|--------------------------------|--|-------------------|--|------------------|---|-----------|---|-------------------|---|-----------|---|-------------------|--------|------|--------|------|
| <b>Year 1<br/>1st<br/>Sem.</b> | DC Circuit Analysis<br>EET120 (4)            | <b>RT<br/>TAG</b> | Engineering Technology Seminar<br>ETD121 (1)         | <b>RT</b>        | Hydraulic & Pneumatic Systems<br>MST134 (6) | <b>RT</b> | Physics I<br>PHY121 (4)                         | <b>RA<br/>TAG</b> | College Algebra<br>MTH125 (4)                     | <b>RA</b> | Trig<br>MTH128 (1)                          | <b>RA</b>         |        |      |        |      |
| <b>Year 1<br/>2nd<br/>Sem.</b> | Circuit Manuf Techniques<br>EET125 (1)       | <b>RT</b>         | Blueprint Reading<br>MST121 (2)                      | <b>RT<br/>CC</b> | Electronic Devices & Circuits<br>EET123 (4) | <b>RT</b> | Electrical Machines<br>EET126 (4)               | <b>RT</b>         | Comp Apps Tech Prof<br>ECA122 (3)                 | <b>RA</b> | AC Circuit Analysis<br>EET122 (4)           | <b>RT<br/>TAG</b> |        |      |        |      |
| <b>Year 2<br/>1st<br/>Sem.</b> | NEC & Elec Systems Design<br>EET128 (2)      | <b>RT</b>         | PLS's & Industrial Controls I<br>EET227 (3)          | <b>RT</b>        | Mechanical Drive Compnents<br>MST221 (3)    | <b>RT</b> | Eff Speak or Inter-group Comm<br>COM121/123 (3) | <b>RA</b>         | Switchgear, Transformers & Controls<br>EST129 (2) | <b>RT</b> | College Composition<br>ENG124 (3)           | <b>RA</b>         |        |      |        |      |
| <b>Year 2<br/>2nd<br/>Sem.</b> | PLC's & Industrizl Controls II<br>EET228 (3) | <b>RT</b>         | Electrical/Electronic Troubleshooti ng<br>EST221 (3) | <b>RT</b>        | Technical Report Writing<br>ENG221 (3)      | <b>RA</b> | HVAC Principles I<br>HVC121 (3)                 | <b>RT</b>         | Technical Elective (3)                            | <b>RA</b> | Arts/Humanities/Social Science Elective (3) | <b>RE</b>         |        |      |        |      |

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Page 6 Date Completed: 1/13/2009

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## 2008 - 2009 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology

Applied Industrial

College Major: (if applicable) Technology

College Degree: (if applicable) \_\_\_\_\_

Associate of Applied Science

Specify Industry Credential Opportunities (if applicable): \_\_\_\_\_

Certificate, Adult and/or Apprenticeship Program: (if applicable) \_\_\_\_\_

Secondary Program Name: Construction Tech

Secondary School Name: Perry High School

District Name: Perry Local Schools

|                                | Course  | Code             | Course   | Code              | Course  | Code              | Course  | Code      | Course  | Code             | Course | Code | Course | Code |
|--------------------------------|---|------------------|--|-------------------|---|-------------------|---|-----------|---|------------------|--------|------|--------|------|
| <b>Year 1<br/>1st<br/>Sem.</b> | Comp Apps<br>Tech Prof<br>ECA122 (3)            | <b>RA</b>        | Introd to<br>Algebra<br>MTH101 (4)                     | <b>RA</b>         | College<br>Composition<br>ENG124 (3)                  | <b>RA</b>         | Material<br>Science<br>MET123 (2)                 | <b>RT</b> | Blueprint<br>Reading<br>MST121 (2)                    | <b>RT<br/>CC</b> |        |      |        |      |
| <b>Year 1<br/>2nd<br/>Sem.</b> | College<br>Algebra<br>MTH125 (4)                | <b>RA<br/>CC</b> | Trigonometry<br>MTH128 (1)                             | <b>RA</b>         | Hydraulic &<br>Pneumatic<br>Systems<br>MST134 (6)     | <b>RT</b>         | Electrical<br>Circuits &<br>Devices<br>EST130 (4) | <b>RT</b> | Statistical<br>Process<br>Control Chart<br>MST131 (2) | <b>RT</b>        |        |      |        |      |
| <b>Year 2<br/>1st<br/>Sem.</b> | Technical<br>Report<br>Writing<br>ENG221 (3)    | <b>RA</b>        | Physics I<br>PHY121 (4)                                | <b>RA<br/>TAG</b> | Eff Speak or<br>Inter-group<br>Comm<br>COM121/123 (3) | <b>RA<br/>TAG</b> | Introduction<br>to<br>Robotics<br>IET228 (2)      | <b>RT</b> | Manufacturing<br>Processes<br>MET225 (3)              | <b>RT</b>        |        |      |        |      |
| <b>Year 2<br/>2nd<br/>Sem.</b> | Mechanical<br>Drive<br>Components<br>MST221 (3) | <b>RT</b>        | Arts/Humaniti<br>es/<br>Social Science<br>Elective (3) | <b>RE</b>         | Technical<br>Elective (3)                             | <b>RA</b>         |   |           |   |                  |        |      |        |      |

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