

## 2010 - 2011 Program of Study - Secondary

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

### Secondary Program Information

Career Field: Manufacturing Technologies (MT)

School District Name: North Canton City Schools

Pathway Name: Development & Design (MT)

School District IRN: 44503

Specialization Name (if applicable): \_\_\_\_\_

Building (location) Name: Hoover High School

EMIS Subject Code: 171300

Building (location) IRN: 16758

Local Program Name: Architectural Design

For JVSD only: specify grade level(s) and building location for associate schools component:

|         |  |             |  |
|---------|--|-------------|--|
| Grade   |  | School Name |  |
| Courses |  | Credits     |  |

Identify the # or range of **POTENTIAL** college courses and credits in the career field:

| Required or Elective Academic Courses 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   | English 9                  | RA       | Algebra I  | RA   | Integrated Science with lab | RA   | World Studies            | RA   | World Language | RE   | Health  | RA   |  |      |            |      |
| 10  | English 10                 | RA       | Geometry   | RA   | Biology with lab            | RA   | US History               | RA   | World Language | RE   | Phys Ed | RA   |  |      |            |      |
| 11  | English 11                 | RA<br>CC | Algebra II | RA   | Chemistry with lab          | RA   | Government/<br>Econ      | RA   | Phys Ed        | RA   |         |      | Architecture I                         | CC   |            |      |
| 12  | English 12<br>(DE) English | RA<br>CC | Pre-Calc   | RE   | Physics                     | RE   | Psychology/<br>Sociology | RE   |                |      |         |      | Architecture II                        | CC   |            |      |

Contact Person: Todd Henne

Title: Associate Principal

Phone: 330-497-5620 X 356

E-mail: [TWH2NC@VIKING.STARK.K12.OH.US](mailto:TWH2NC@VIKING.STARK.K12.OH.US)

Date Completed: 1/19/2010

Specify Industry Credential Opportunities (if applicable):

**CODES** (use all that apply)

RA: Required Courses

RE: Recommended Electives

CT2: Eligible for CT2 Credit

\*CC: College Credit Opportunities based on articulation or dual/concurrent enrollment agreements in career field

## 2010 - 2011 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology  
 College Major: (if applicable) Design Engineering College Degree: (if applicable) AAS

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

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

Secondary Program Name: Artictecural Design Secondary School Name: North Canton High School District Name: North Canton City 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> | Engineering Drawing<br>DET121 (3)                    | <b>RT<br/>CC</b> | College Composition<br>ENG124 (3)                  | <b>RA</b>         | Engineering Tech Seminar<br>ETD121 (1)                        | <b>RT</b> | College Algebra<br>MTH125 (4)                | <b>RA</b>         | Trigonometry<br>MTH128 (1)                    | <b>RA</b> | Computer Apps for Technical Professionals<br>ECA122 (3) | <b>RT</b> | Basic AutoCAD<br>DET125 (3) | <b>RT<br/>CC</b> |        |      |
| <b>Year 1<br/>2nd<br/>Sem.</b> | Descriptive Geometry<br>DET122 (3)                   | <b>RA</b>        | Working Drawings<br>DET124 (3)                     | <b>RT<br/>CC</b>  | Pre-Calculus<br>MTH126 (4)                                    | <b>RA</b> | Physics I<br>Phy121 (4)                      | <b>RA<br/>TAG</b> | Statics & Strength of Materials<br>MET124 (4) | <b>RT</b> |   |           |                             |                  |        |      |
| <b>Year 2<br/>1st<br/>Sem.</b> | Geometric Dimensioning & Tolerancing<br>DET226 (2)   | <b>RT</b>        | Eff Speak or Inter-group Comm<br>COM121/COM123 (3) | <b>RA<br/>TAG</b> | Manufacturing Processes or Machine Tools<br>MET225/AIT122 (3) | <b>RT</b> | Concepts of Calculus<br>MTH221(3)            | <b>RA</b>         | Desgin Elective I (CAD) (3)                   | <b>RT</b> | Kinematics<br>DET223 (3)                                | <b>RT</b> |                             |                  |        |      |
| <b>Year 2<br/>2nd<br/>Sem.</b> | Technaical Project-Mechanical & Design<br>MET226 (2) | <b>RT</b>        | Machine Design<br>MET228 (4)                       | <b>RT</b>         | Technical Report Writing<br>ENG221 (3)                        | <b>RA</b> | Arts/Hunanitie s/<br>Social Science Elective | <b>RE</b>         | Desgin Elective II (CAD) (3)                  | <b>RT</b> |   |           |                             |                  |        |      |

**Contact Person:** Nadar Abueteen  
**Title:** Associate Professor, Civil Engineering  
**Phone:** 330-494-6170 X4186  
**E-mail:** [nabueteen@starkstate.edu](mailto:nabueteen@starkstate.edu)

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

## 2010 - 2011 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College of Technology  
 College Major: (if applicable) Mechanical Engineering College Degree: (if applicable) AAS

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

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

Secondary Program Name: Artictechtural Design Secondary School Name: North Canton City District Name: \_\_\_\_\_

|                                | Course   | Code              | Course  | Code      | Course  | Code             | Course  | Code             | Course   | Code              | Course                                   | Code      | Course  | Code      | Course | Code |
|--------------------------------|--|-------------------|---|-----------|---|------------------|---|------------------|--|-------------------|--|-----------|---|-----------|--------|------|
| <b>Year 1<br/>1st<br/>Sem.</b> | Engineering Tech Seminar<br>ETD121 (1)             | <b>RT</b>         | Material Science<br>MET123 (2)                                    | <b>RT</b> | Engineering Drawing<br>DET121 (3)             | <b>RT<br/>CC</b> | College Composition<br>ENG124 (3)                       | <b>RA</b>        | College Algebra<br>MTH125 (4)  | <b>RA</b>         | Trigonometry<br>MTH128 (1)               | <b>RA</b> | Computer Apps for Technical Professionals<br>ECA122 (3) | <b>RT</b> |        |      |
| <b>Year 1<br/>2nd<br/>Sem.</b> | Statics & Strength of Materials<br>MET124 (4)      | <b>RT</b>         | Manufacturing Processes or Machine Tools<br>MET225/<br>AIT122 (3) | <b>RT</b> | Pre-Calculus<br>MTH126 (4)                    | <b>RA</b>        | Basic AutoCAD or Pro Engineer<br>(DET131)<br>DET125 (3) | <b>RA<br/>CC</b> | Physics I<br>Phy121 (4)  | <b>RA<br/>TAG</b> |  |           |   |           |        |      |
| <b>Year 2<br/>1st<br/>Sem.</b> | Eff Speak or Inter-group Comm<br>COM121/COM123 (3) | <b>RA<br/>TAG</b> | Machine Design<br>MET228 (4)                                      | <b>RT</b> | Advanced Strength of Materials<br>MET221 (2)  | <b>RT</b>        | Fluid Power<br>MET222 (4)                               | <b>RT:</b>       | Concepts of Calculus or Analytical Geomerty-Cal I<br>MTH221/MTH223 (3-4) | <b>RA</b>         |  |           |   |           |        |      |
| <b>Year 2<br/>2nd<br/>Sem.</b> | Dynamics<br>MET223 (2)                             | <b>RT</b>         | Electrical Circuits & Devices<br>EST130 (4)                       | <b>RT</b> | Thermodyna mics & Heat Transfer<br>MET227 (3) | <b>RT</b>        | Technaical Project-Mechanical & Design<br>MET226 (2)    | <b>RT</b>        | Technical Report Writing<br>ENG221 (3)                                   | <b>RA</b>         | Arts/Hunanities/ Social Science Elective | <b>RE</b> |   |           |        |      |

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