

2008 - 2009 Program of Study - Secondary

Submitted by CTPD Name: _____

CTPD Number: _____

Secondary Program Information

School District Name: Marlington Local Schools
School District IRN: 049882
Building (location) Name: Marlington High School
Building (location) IRN: 022947

Career Field: Construction Technologies
Pathway Name: Construction
Program Name: Building Technology
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	English 9	RA	Integrated Math/ Algebra 1	RA	Integrated Science	RA	World History	RA			Health/ PE	RA	Construction Foundation	CT RE		
10	English 10	RA	Integrated Math II or Geometry	RA	Biology/lab	RA	American History	RA			PE	RA	Computer Aided Drafting	CT RE	Electricity	RE
11	English 11	RA	Intergrated Math III/ Algebra II	RA	Chem/lab	RA	Am. St./ Econ (Gov)	RA			Elective	RE	Construction Technology	CT CC		
12	English 12	RA	Algebra II / Pre Calc	RA							Elective	RE	Program Cap Stone	CT CC		

Contact Person: Dan Murphy
Title: Assistant Principal
Phone: 330-823-1300
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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: Marlington High School

District Name: Marlington Local Schools

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

Contact Person: Frank Fuller

Title: Dept Chair/Engineering Technologies

Phone: 330-494-6170 X4636

E-mail: fuller@starkstate.edu

Page 2

Date Completed: 1/22/2009

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**

Civil Engineering Technology
Surveying Major

College Major: *(if applicable)* 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: Marlinton High School District Name: Marlinton Local

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

Contact Person: Frank Fuller
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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
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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:** Marlington High School **District Name:** Marlington Local Schools

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

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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: Marlington High School District Name: Marlington Local Schools

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

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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: Marlington High School

District Name: Marlington Local Schools

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

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