

2011 - 2012 Program of Study - Secondary

Submitted by CTPD Name: Plain Local

CTPD Number: 93

Secondary Program Information

Career Field: Information Technology (IT)

School District Name: North Canton City Schools

Pathway Name: Network Systems (IT)

School District IRN: 044503

Specialization Name (if applicable): _____

Building (location) Name: Hoover High School

EMIS Subject Code: 140220

Building (location) IRN: 016758

Local Program Name: Networking

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

Grade		School Name	
Courses	6	Credits	16

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 I	RA	Algebra I	RA	Integrated Science	RA	World Studies	RA	Health PE	RE	Art I	RE				
10	English II	RA	Geometry	RA	Biology & Lab	RA	American History	RA	PE	RE	World Language	RE				
11	English III	RA	Algebra II	RA	Chemistry & Lab	RA	Government Economics	RA	World Language	RE			Information Technology	CC		
12	English IV	RA	Pre-Calc	RA	Physics	RA							Information Technology	CC		

Contact Person: Todd Henne

Title: Associate Principle

Phone: 330-497-5620 X356

E-mail: tw2nc@viking.stark.k12.oh.us

Date Completed: 2/23/2011

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

2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College

College Major: (if applicable) Comp. Network Admin. & Security- UNIX/LINUX College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Networking Secondary School Name: Hoover High School District Name: North Canton City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Sem.	Comp. App. For Tech. Prof. ECA 122	RA CC	PC Upgrading & Maintenance ECA 145	RT CC	Cryptography ECA129	RT	Intro to Computer Networking ECA 146	RT CC	College Algebra MTH 125	RA CC						
2nd Sem.	Oracle Database: Intro to SQL ECA142	RT	Database Design & Modeling ECA253	RT	UNIX/LINUX Operating Environment ECA 277	RT	College Composition ENG 124	RA	Pre-Calc. MTH 126	RA						
3rd Sem.	College Composition II ENG231	RA	Physical Science	RA												
4th Sem.	Microsoft Client Operating System ECA131	RT	UNIX/LINUX Forensics ECA286	RT	UNIX/LIUNIX Shell Scripting ECA254	RT	Oracle Database: Architecture & Admin ECA270	RT	UNIX/LIUNIX System Admin ECA274	RT	UNIX/LIUNIX Network Admin ECA276	RT				
5th sem.	Effective Speaking COM 121	RA TAG	Oracle Database 10g: Architecture & Administration ECA271	RT	Pick One: ECA273 or ECA127	RT CC	Web Server Administration ECA279	RT	Arts/ Humanities/ Social Science Elective	RE						

Contact Person: Gabriela Rosu
Title: Dept Chair/Instructor Information Technologies
Phone: 330-494-6170 X4111
E-mail: grosu@starkstate.edu

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)

POTENTIAL number or range of college credits available to secondary pathway students

Date Completed: 2/23/2011

2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College
College Major: *(if applicable)* Computer Engineering **College Degree:** *(if applicable)* AAS
Specify Industry Credential Opportunities (if applicable): _____
Certificate, Adult and/or Apprenticeship Program: *(if applicable)* _____
 Secondary Program Name: Networking Secondary School Name: Hoover High School District Name: North Canton City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Sem.	Information Technology Seminar ITD 121	RT	Comp. App. For Tech. Prof. ECA 122	RA CC	Programming Logic & Problem Solving ECA 127	RT	Data Modeling & Database Design ECA 253	RT	College Composition ENG 124	RA	Electrical Circuits & Devices EST 130	RT				
2nd Sem.	Effective Speaking COM 121	RA TAG	Visual Basic Development ECA 128	RT CC	Java Programming ECA 223	RT	Electronic Devices & Circuits EET 123	RT	College Algebra MTH 125	RA CC						
Summer	Technical Report Writing ENG 221	RA	Arts/ Humanities/ Social Science Elective	RE	Arts/ Humanities/ Social Science Elective	RE										
3rd Sem.	Assembly Lang. Programming ECA 227	RT	Technical Elective	RT	PLC's & Industrial Controls I EET 227	RT	Pre-Calc. MTH 126	RA	Trig. MTH 128	RA						
4th Sem.	Technical Elective	RT	Pulse & Digital Integrated Circuits EET 262	RT	Concepts of Calculus MTH 221	RA	Physics I PHY 121	RA TAG		CC						

Contact Person: Larry Ray
Title: Department Chair
Phone: 330-966-5461 X4918
E-mail: lray@starkstate.edu
POTENTIAL number or range of college credits available to secondary pathway students
 Date Completed: 2/23/2011

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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2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College

College Major: (if applicable) Computer Programming & Database Tech College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____
 Certificate, Adult and/or Apprenticeship Program: (if applicable) _____

Secondary Program Name: Networking Secondary School Name: Hoover High School District Name: North Canton City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Sem.	Information Technology Seminar ITD 121	RT	Comp. App. For Tech. Prof. ECA 122	RA CC	Programming Logic & Problem Solving ECA 127	RT	Internet/Intranet Design & Development ECA228	RT	Data Modeling & Database Design ECA 253	RT	College Composition ENG 124	RA		
2nd Sem.	Effective Speaking COM 121	RA TAG	Visual Basic Development ECA 128	RT CC	Database Elective	RT	Web Development w/ JavaScript & AJAX ECA225	RT	Advanced Cascading Style Sheets ECA234	RT				
Summer	Technical Report Writing ENG 221	RA	Arts/ Humanities/ Social Science Elective	RE	Statistics MTH222	RA								
3rd Sem.	Generating Reports for Decision Making ECA265	RT	Technical Elective	RT	Database Elective	RT	Web Development with PHP & MySQL ECA 236	RT	Arts/ Humanities/ Social Science Elective	RE				
4th Sem.	Business Admin BUS121	RA	Data Mining & Data Warehousing ECA 252	RT	Database Elective	RT	Advanced Web Development with PHP & MySQL ECA 268	RT	Technical Elective	RT				

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POTENTIAL number or range of college credits available to secondary pathway students

Date Completed: 2/23/2011

2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College

College Major: (if applicable) Cyber Security & Computer Digital Forensics College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Networking Secondary School Name: Hoover High School District Name: North Canton City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Semester	Comp. App. For Tech. Prof. ECA 122	RA CC	Programming Logic & Problem Solving ECA 127	RT	PC Upgrading & Maintenance ECA 145	RT CC	Intro to Comp Networking ECA 146	RA CC	White Collar Crimes ECA 175	RT						
2nd Semester	Cryptography ECA 129	RT	Comp. Crime & Investigation ECA 137	RT	UNIX/LINUX Operating Environment ECA 227	RT	Cyberlaw & Ethics ACC236	RA	College Composition ENG 124	RA						
3rd Semester	Effective Speaking COM 121	RA TAG	File Systems Analysis ECA 257	RT	College Algebra MTH 125	RA CC										
4th Semester	Cyber Forensics & Data Recovery ECA 258	RT	Online Investigative Resources ECA 176	RT	Pre-Calculus MTH 126	RA	Composition II ENG231	RA	Physical Science Elective	RE						
5th Semester	Forensic Acc. & Fraud Investigation ACC 235	RT	Ethical Hacking ECA 275	RT	Digital Media Forensics ECA 300	RT	Advanced Digital Media Forensics ECA 301	RT	UNIX/LIUNIX Forensics ECA 286	RT						

Contact Person: Gabriela Rosu
Title: Dept Chair/ Instructor Information Technologies
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POTENTIAL number or range of college credits available to secondary pathway students upon

Date Completed: 2/23/2011

CODES (use all that apply)

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2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: Stark State College

College Major: (if applicable) Cyber Security & Computer Forensics College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Networking Secondary School Name: Hoover High School District Name: Hoover City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Semester	Comp. App. For Tech. Prof. ECA 122	RA	Programming Logic & Problem Solving ECA 127	RT	PC Upgrading & Maintenance ECA 145	RT CC	Intro to Comp Networking ECA 146	RT CC	College Algebra MTH 125	RA CC						
2nd Semester	Princ. Of Information Security ECA 136	RT	Comp. Crime & Investigation ECA 137	RT	UNIX/LINUX Operating Environment ECA 227	RT	College Composition ENG 124	RA	Pre-Calculus MTH 126	RA						
3rd Semester	Effective Speaking COM 121	RA TAG	Composition II ENG231	RA												
4th Semester	Cyrtography ECA 129	RA	CCNA Phase I ECA 134	RT CC	CCNA Phase II ECA 135	RT CC	File Systems Analysis ECA 257	RT	UNIX/LINUX Forensics ECA 286	RT	Physical Science Elective	RE				
5th Semester	Forensic Acc. & Fraud Investigation ACC 235	RT	Cyber Law & Ethics ACC 236	RT	Disater Recover & Incident Planning ECA 256	RT	Cyber Forensics & Data Recovery ECA 258	RT	Ethical Hacking ECA 275	RT	Firewall & Network Security ECA 278	RT				

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2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: _____

Stark State College

College Major: (if applicable) Computer Science & Engineering

College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Networking

Secondary School Name: Hoover High School

District Name: _____

Hoover City Schools

	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
1st Sem.	Information Technology Seminar IDT 121	RT	Comp. App. For Tech. Prof. ECA 122	RA CC	Programming Logic & Problem Solving ECA 127	RT	Internet/Intranet Design & development ECA 228	RT	Data Modeling & Database Design ECA 253	RT	College Composition ENG 124	RA				
2nd Sem.	Visual Basic Development ECA 128	RT CC	C++ Programming ECA 222	RT	Java Programming ECA 223	RT	Active Server Page Development ECA 229	RT	College Algebra MTH 125	RA CC						
Summer	Effective Speaking COM 121	RA TAG	Technical Report Writing ENG 221	RA	Arts/ Humanities/ Social Science Electives	RE										
3rd Sem.	Java Web Database Programming ECA 230	RT	Soft. Eng. For Hand-Held Devices ECA 260	RT	Soft. Eng. For Robotics ECA 261	RT	Pre-Calculus MTH 126	RA	Trig. MTH 128	RA CC						
4th Sem.	Technical Elective	RT	Windows Programming with C ECA 226	RT	Adv. Java Programming ECA 239	RT	Technical Elective	RT	Physics I PHY 121	RA TAG						

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