

2011 - 2012 Program of Study - Secondary

Submitted by CTPD Name: Canton City

CTPD Number: 90

Secondary Program Information

Career Field: Information Technology (IT)

School District Name: Canton City Schools

Pathway Name: Programming & Software Development (IT)

School District IRN: 043711

Specialization Name (if applicable): _____

Building (location) Name: Timken Senior High School

EMIS Subject Code: 140230

Building (location) IRN: 037267

Local Program Name: Programming & Video Game Design

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

Grade		School Name	
Courses	5	Credits	15

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	RA	Integrated Science	RA	Modern American History	RA	Health PE	RE	Information Technology	RA				
10	English II	RA	Geometry or Algebra II/Trig	RA	Biology /Lab	RA	Modern World History	RA	Fine Arts	RE			Programming/Video Gaming	CC		
11	English III	RA	Algebra II/Trig or Pre-Calc	RA	Physics or AP Physics/Lab	RA	Am. Gov't.	RA			Foreign Language	RE	Programming/Video Gaming I	CC		
12	English IV	RA	Pre-Calc or Calculus	RA	Chemistry	RA	Sociology/Psychology or African American Studies	RA	Foreign Language II	RE			Programming/Video Gaming II	CC		

Contact Person: Diane Mizer

Title: Coor-Career-Tech Ed

Phone: 330-438-2685

E-mail: mizer_d@ccsdistrict.org

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- CISCO College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Programming & Video Secondary School Name: Timken High School District Name: 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	RT CC	Programming Logic & Problem Solving ECA 127	RT CC	PC Upgrading & Maintenance ECA 145	RT	Intro to Computer Networking ECA 146	RT	College Algebra MTH 125	RA						
2nd Sem.	MS Windows Vista & 2003 Server ECA 131	TR	CCNA Phase I ECA 134	RT	CCNA Phase II ECA 135	RT	UNIX/LINUX Operating Environment ECA 277	RT	College Composition ENG 124	RA						
3rd Sem.	College Composition II ENG231	RA	Arts/ Humanities/ Social Science Elective	RE	Pre-Calc. MTH 126	RA										
4th Sem.	CCNA Phase III & IV ECA250	RA	Microsoft Wind. Server 2003 Network Infrastructure ECA 244	RT	Physical Science Elective	RE	Voice over IP Fundamentals ECA284	RT								
5th sem.	Effective Speaking COM 121	RT TAG	Cisco IP Telephony ECA285	RT	Securing Networks w/ Switches & Routers ECA295	RT	Firewall & Network Security ECA 278	RT	Technical Elective	RE						

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

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

Date Completed: _____ 3/23/2010

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)

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: Programming & Video I Secondary School Name: Timken High School District Name: 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	Cryptography ECA129	RT	Intro to Computer Networking ECA 146	RT	College Algebra MTH 125	RA						
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						

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

Date Completed: 3/23/2010

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: Programming & Vide Secondary School Name: Timken High School District Name: 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 CC	Internet/Intranet Design & Development ECA228	RT CC	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	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				

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: 3/23/2010

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)

2011 - 2012 Program of Study - Postsecondary Semesters

Postsecondary Institution: _____

Stark State College

College Major: (if applicable) Computer Science- Video Game

College Degree: (if applicable) AAS

Specify Industry Credential Opportunities (if applicable): _____

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

Secondary Program Name: Programming & Video I

Secondary School Name: Timken High School

District Name: Canton 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 CC	Flash Animation & Design ECA 155	RT CC	Game Design ECA 156	RT	College Algebra MTH 125	RA				
2nd Sem.	C++ Programming ECA 222	RT CC	Java Programming ECA 223	RT	Advanced Flash Animation & Design ECA 267	RT	Arts/ Humanities/ Social Science Electives	RE	College Composition ENG 124	RA						
Summer	Effective Speaking COM 121	RA TAG	Technical Report Writing ENG 221	RA												
3rd Sem.	Advanced C++ Programming ECA 224	RT	Advanced Gaming & Simulation Topics ECA 240	RT	2D Game Design & Development ECA 281	RT	Flash ActionScripting ECA 282	RT	Pre-Calculus MTH 126	RA	Trig MTH 128	RA				
4th Sem.	Advanced Java Programming ECA 239	RT	Technical Elective	RT	Technical Elective	RT	3D Game Design & Development ECA 241	RT	Physics I PHY 121	RA TAG						

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: 3/23/2010

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) 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: Programming & Video E Secondary School Name: Timken High School District Name: Canton 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 CC	Internet/Intranet Design & development ECA 228	RT CC	Data Modeling & Database Design ECA 253	RT	College Composition ENG 124	RA				
2nd Sem.	Visual Basic Development ECA 128	RT	C++ Programming ECA 222	RT CC	Java Programming ECA 223	RT	Active Server Page Development ECA 229	RT	College Algebra MTH 125	RA						
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						
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						

Contact Person: Larry Ray
Title: Department Chair
Phone: 330-966-5461 X4918
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