

A WORLD OF OPPORTUNITY IN INFORMATION TECHNOLOGY IN SOUTHEAST MICHIGAN!



Washtenaw Community College

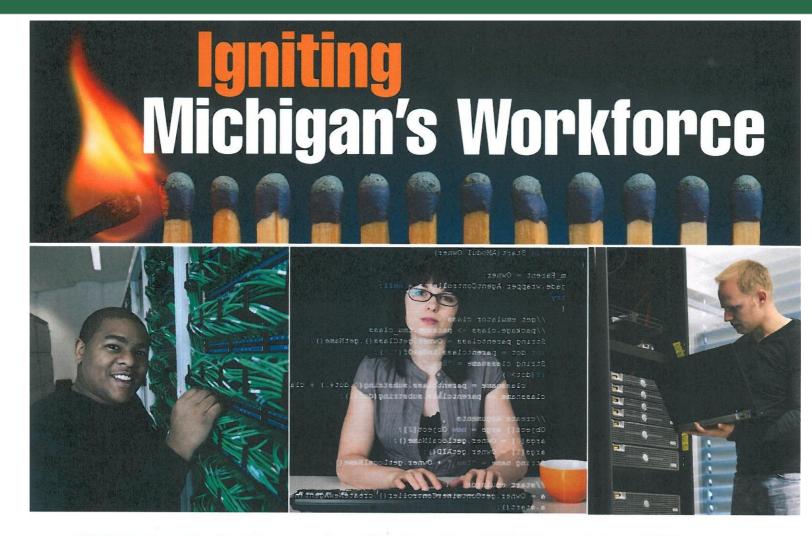
IGNITE MICHIGAN PROGRAM



CREATING AN INFORMATION TECHNOLOGY JOBS PIPELINE!







WCC Economic Development and Instructional Divisions helps fill the critical demand for skilled IT workers with specialized technical training.

Our IGNITE* program provides career skills in the critical areas of:

- · Java software development
- Microsoft Technology Associate
- · Linux/Unix network and systems administration

* Intentionally Growing New Information Technology Employees in Michigan Funding is made possible through the Department of Labor's Trade Adjustment Assistance for Community Colleges Career Training program.

WCC is proud to partner with:

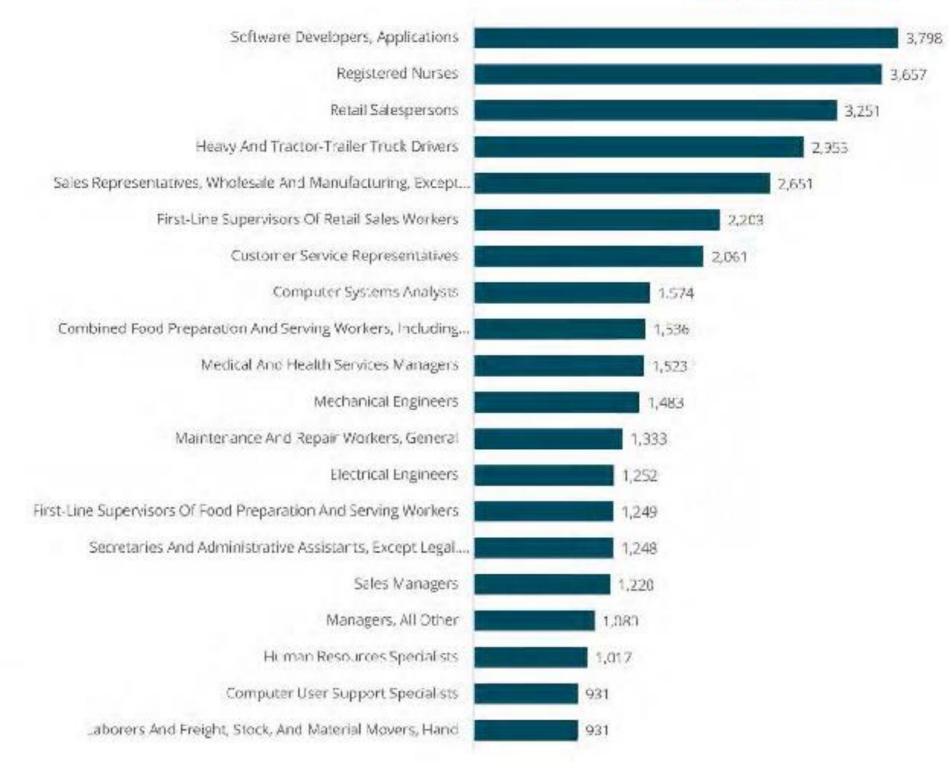
Quicken Loans Google The Advisory Board Company

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Ann Arbor SPARK Workforce Intelligence Network IT Council Washtenaw and Livingston Michigan Works! Agencies

TOP 20 JOBS IN DEMAND

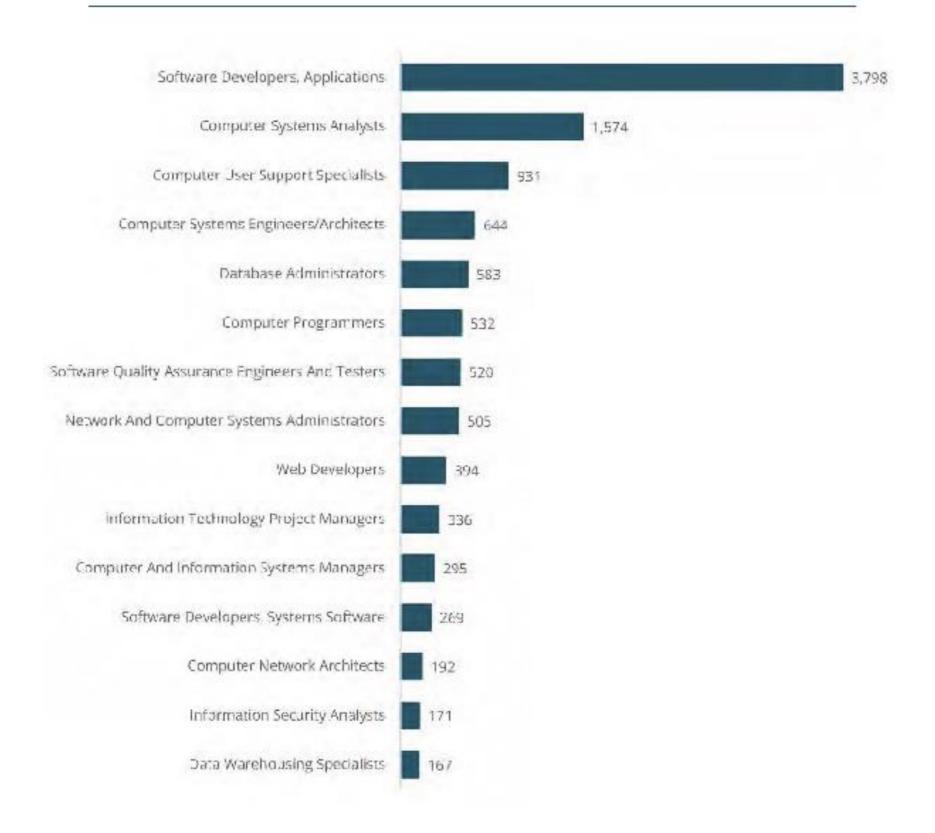
APRIL - JUNE 2014



Southeast Michigan

2nd Qtr 2014

INFORMATION TECHNOLOGY



Southeast Michigan

2nd Qtr 2014

INFORMATION TECHNOLOGY

TOP 10 JOBS WAGES

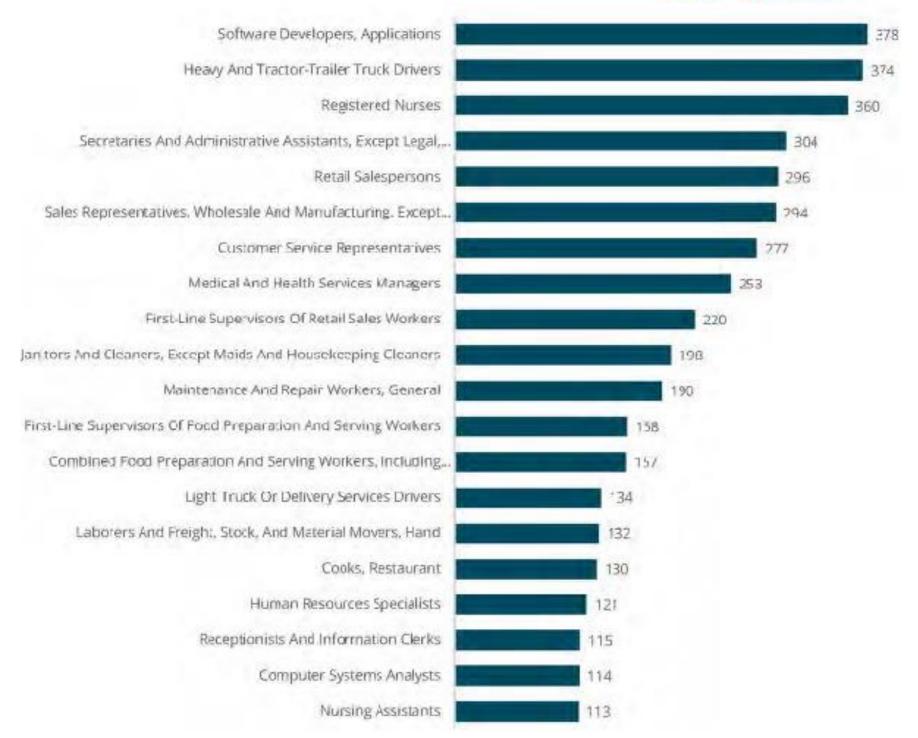
ONET Code	Occupation	Median Hourly Earnings	10th Percentile Hourly Earnings	90th Percentile Hourly Earnings	2012 Mean Salary according to BLS
15-1132	Software Developers, Applications	\$32.68	\$21,45	\$47.76	\$93,280
15-112 1	Computer Systems Analysts	\$49.68	\$33.50	\$64.48	\$83,800
15-1151	Computer User Support Specialists	\$39.60	\$26.22	\$62.58	\$50,130
15-1199	Computer Systems Engineers/Architects	\$27.38	\$17.95	\$38.18	\$81,860
15-114 1	Database Administrators	\$26.89	\$15.28	\$40.89	\$79,120
15-113 1	Computer Programmers	\$40.00	\$24.68 \$59.09		\$78,260
15-1199	Software Quality Assurance Engineers And Testers	\$27.38	\$17.95	\$38.18	\$81,860
15-1142	Network And Computer Systems Administrators	\$36.51	\$21.54	\$54.20	\$76,320
15-1134	Web Developers	S40.25	\$27.03	\$60.02	S66,100
15-1199	Information Technology Project Managers	\$27.38	\$17.95	\$38.18	\$81,860

Southeast Michigan

2nd Qtr 2014

TOP 20 JOBS IN DEMAND

APRIL - JUNE 2014



2nd Qtr 2014

Washtenaw County

Information Technology

INFORMATION TECHNOLOGY

TOP 10 JOBS WAGES

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11-3021	Computer And Information Systems Managers	\$36.88	\$22.31	\$60.79	\$129,130	
15-1133	Software Developers, Systems Software	\$37.97	\$25.22	\$55.79	\$102,550	



TWO HIGH DEMAND SKILL AREAS:

LINUX / UNIX & JAVA

WASHTENAW COMMUNITY COLLEGE

IGNITE MICHIGAN GRANT

INFORMATION TECHNOLOGY CERTIFICATE PROGRAMS

NON-CREDIT PROGRAM									
	Course			Contact Hours	Credits	NON-CREDIT CERTIFICATE TESTING & AWARD:			
(Can be articulated for 3 credits	CIS 1017 – Career Readiness Certificate: IT			30	3.0CEUs	 WorkKeys National Career 			
as CIS 306 – Computer & · Modu		Module 1: An Orientation to Online			•	Readiness Certificate			
Information Literacy)	Le	arning	ng le 2: Is I.T. for Me?			 Internet and Com 	puting Co	ore	
	• M	odule 2:				Certification (IC ³)			
· Module 3:			Non-technical, but			 WCC Career Read 	iness		
	N	ecessary	Skills for IT			Certificate: IT			
			CREDIT PROG	RAM					
	Course			Contact	Credits				
ACADEMIC CERTIFICATE PRE-				Hours		CNT 100 - INTRO TO		vs	
PROGRAM (RECOMMENDED:)	CPS 120 - Intro to Computer Science			45	3	NETWORKI		CI 4 771	
	WCC PROGRAMMIN	(MICROSOFT TECHNOLOGY A				YASSOCIATE)			
WCC LINUX/UNIX SYSTEMS	ATE	ADVANCED CERT							
Course	Contact Hours	Credits	Course	Contact Hours	Credits	Modules	Contact Hours	Credits	
CIS 121 – Linux/Unix Fundamentals	60	4	CPS 161 – Intro to Programming with Java	60	4	MTA - Windows Operating Fundamentals			
CIS 206 – Basic Linux / Unix System Admin, Networking and Security	60	4	CPS 261 – Advanced Java Concepts	60	4	MTA -Windows Server Admin Fundamentals		4	
CIS 208 Linux / Unix III : Intermediate System Admin, Networking and Security	60	4	CPS 278 – Java Server Programming	60	4	MTA - Networking Fundamentals	60		
CIS 221 – Linux / Unix Programming & Scripting	60	4	CPS 251 – Android Programming Using Java	60	4	MTA - Windows Security Fundamentals			
Industry Certificate Prep: CompTIA Linux+, LPI-1			Industry Certificate Prep: O Pro	racle Java ogramme		Industry Certificate Prep: Techn	: Microsoft nology Associate		



WHAT ARE LINUX & UNIX?

- Open source computer operating systems
- Similar in purpose to Windows
- UNIX is older originally for big mainframes, now for network servers and workstations
 - Linux, based on UNIX but, is newer for PC-based systems



WHAT IS JAVA?

- One of the most widely used computer programming languages
- Designed to run on multiple platforms and any type of web browser – very flexible
- Popular programming language for developing mobile apps



"[Writing code] is the new literacy. In this century if you want to have the power to change the world, writing code is the most practical thing you can do," says Alexis Ohanian, cofounder of reddit and author of the new book Without Their Permission.



JOBS ASSOCIATED WITH LINUX/UNIX & JAVA SKILLS SETS

- Network Administrator
- Computer User Support Specialist
- Network Specialist
- Computer Programmer
- System Software Developer



Getting your feet wet...

CAREER EXPLORATION LEVEL

Washtenaw Community College's IT (Information Technology) Career Academy



WCC IT Career Academy Beginner level training:

- IT Career Readiness Course (30 contact hrs)
 - Orientation to Online Learning
 - Is IT Right For Me? (Intro to the IT industry)
 - Non-technical, But Necessary, Skills For IT (Team skills training)



WCC IT Career Academy

Certifications you can earn:

- ACT National Career Readiness Certificate (work skills certification)
- IC³ Internet & Computer Core Certification (computer literacy certification)

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BASIC ENTRY LEVEL:

MICROSOFT TECHNOLOGY ASSOCIATE INDUSTRY CERTIFICATION

CNT 100 – Introduction to Windows Networking (4 credits)

Exam prep for MTA certification exam.



THE NEXT LEVEL:

LINUX/UNIX SYSTEMS CERTIFICATE TRACK

OR

JAVA PROGRAMMING CERTIFICATE TRACK



Linux / Unix Systems Certificate

CIS 121 – Linux/UNIX Fundamentals (4 credits)

- CIS 206 Basic Linux/UNIX System Admin, Networking & Security (4 credits)
- CIS 208 Linux/UNIX III: Intermediate System Admin, Networking & Security (4 credits)
- CIS 221 Linux/UNIX Programming & Scripting (4 credits)

WCC Academic Certificate – Linux/Unix Systems

Industry certificate available – Linux+ Certificate via (CompTIA)



Java Programming Certificate

CPS 161 – Intro to Programming with Java (4 credits) CPS 251- Android Programming Using Java (4 credits) CPS 261 – Advanced Java Concepts (4 credits) CPS 278 – Java Server Programming (4 credits)

WCC Certificate – Program with Java Advanced Certificate

Industry certificate available – Java SE Programmer via Oracle



IGNITE GRANT PROGRAM PARTICIPANT BENEFITS

- Accelerated course offerings, quicker completion
- Convenient, highly-engaging, blended courses part classroom, part online.
- Dedicated program advisor
- Dedicated program tutor

Dedicated program internship coordinator / career advisor

This product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.