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## ECONOMIC DEVELOPMENT and EMPLOYER PLANNING SYSTEM

Home > Select Unit of Analysis > Unit of Analysis > Demand Indicators

					Unit	of Analysi	is: 1415A Co	DE DE DE DE	MAND Engineei	ring									
	Ge	eorgia	¥	Statew	de			▼	5	3									
cupati	onal Ch	aracteristic	cs G	eorgia/U	nited St	ates													
						Georg	ia					U	nited S	States					
SOC Code		Occupati	on		Growth 2014-	Rate 24	Med Ann Wa	ian ual ge	T Ed	ypical ucatio	l on	۱ Exp	Nork erience	k Typical ence Training		ical ning	Pct Se Emp		
-2061	Compute	er Hardware Er	ngineers	Abc ave	ut as fast a age	as	\$	90,340	Bachelo	or's deg	jree	None	None		None		0.49		
-1132	Software	e Developers, A	pplication	ns Fast	er than ave	erage	\$	97,780	Bachelo	r's deg	r's degree Non			N	one		2.0		
-1133	Software Software	e Developers, S e	ystems	Fast	er than ave	erage	\$1	00,290	Bachelo	or's deg	jree	None	None				2.1		
	•	Long-term OJT	(on-the-j	job training	: more tha	in 1 year	• Modera	ate-term	OJT: 1-1	2 mont	ths	• Short-te	erm OJT:	1 mont	h or less	5			
		Occupatio	nal Pro	jections	Geor	gia													
							Employment		t	Chang	ge 20	14-24	Av	erage					
		SOC Code		Occup	ation		Base 201	4 Proj	2024	Numb	er P	ercent	Annua	l Openi	ings				
		17-2061	Compute	r Hardware	Engineers		1,190	)	1,340	15	50	12.6%			40				
		15-1132	Software	Developers	, Applicatio	ons	20,430	) 2.	4,450	4,02	20	19.7%		690		690			
		15-1133	Software	Developers	, Systems S	Software	11,870	) 1	3,760	1,89	90	15.9%	360		360				
<mark>⊾ы</mark> ≈		Wage Tr	rends (I	Median)	Geor	aia													
							Median Annual Wage						Change						
		SOC Code	e	Οςςι	pation		2013	2014	201	5 2	016	2017	2013	to 20	17				
		17-2061	Compu	iter Hardwa	re Enginee	rs	\$93,010	\$101,60	0 \$97,9	60 \$9	2,370	\$90,34	0	-2.9%	6				
		15-1132	Softwa	re Develope	ers, Applica	ations	\$87,990	\$90,28	0 \$92,3	40 \$9	5,590	\$97,78	0	11.19	6				
		15-1133	Softwa	re Develope	ers, System	s Softwar	e \$96,370	\$93,98	0 \$94,3	60 \$9	6,040	\$100,29	0	4.1%	6				
			Benchma (al	rks for Wa l occupatio	ge Trends ns)		2013	2014	201	5 2	2016 2017		7 Change 2013 to 2017		.7				
			Geor	gia Median	Wage		\$32,510	\$32,84	0 \$33,4	30 \$3	4,330	\$35,04		7.8%	6				
			Geo	rgia Mean \	Vage		\$44,040	\$44,67	0 \$45,4	20 \$4	6,540	\$47,20		7.29	6				
			Georg	nal Modian			0.5%	0.6%	0 \$26.2	00 \$3	7.040	0.5%	n .	7 /0	4				
			Natio		Wage Nage		\$46,440	\$47.23	0 \$48 3	20 \$4	9 630	\$50.62	5 n	9.09	6				
			Nation	al Mean Wa	aae RSE		0.1%	0.1%	0.19	6 0	).1%	0.1%		5107					
		Nati	onal Cons	sumer Price	Index C-C	PI-U	133.6	135.5	135.	4 1	.36.8	139.2		4.2%	6				
Wage	Trends	s (Mean)	Georg	ia															
						Mear	n Annual	Wage			Char	nge	o	Relative f the M	e Stand ean Anr	ard Erro nual Wa	or ige		
SOC C	ode	Οςςι	pation		2013	2014	2015	2016	2017	7 20	13 to	2017	2013	2014	2015	2016	2017		
17-206	1 Con	nputer Hardwa	re Engine	ers	\$94,970	\$98,960	\$93,170	89,120	\$89,5	00	-	5.8%	2.7%	2.5%	3.6%	3.3%	3.3%		
15-113	2  Soft	tware Develope	ers, Applic	ations	\$87,440	\$91,390	\$93,550	101,720	\$103,6	30	1	8.5%	1.4%	1.9%	1.7%	3.6%	3.2%		
15-113.	5   Soft	ware Develope	ers, Syster	ns Software	\$97,690	୬୨4,୪60	⊅92,570   S	\$97,400	\$101,5	50		3.9%	1.5%	1.5%	1.5%	1.3%	1.1%		
				Related	Nationa	l Infor	mation (	externa	al links	5)									
					Occup	pation				оон									
				Computer	Hardware	Engineers	5	How to	<u>Becom</u>	<u>e One</u>	Job C	<u>utlook</u>							
			Software Developers			, Applicati	ons 🔅	How to	Becom	e One	Job O	utlook							

Software Developers, Systems Software 🧼 How to Become One Job Outlook

OOH (Occupational Outlook Handbook) Bright Outlook occupation (O\*NET data definition) ¥

Source: U.S. Department of Labor, Bureau of Labor Statistics; Occupational Characteristics, 2017.

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## **EPS** Economic Development and Employer Planning System

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Demand Indicators

Occupational Supply Demand	
Unit of Analysis: 1/15A Computer Engineering	•

	Program Completers	s by D	egree	Leve	el (201	5 - 2	016)	Geo	orgia			
CIP Code	Program Title	Cert1	Cert2	Assc	Assc+	Bach	CertB	Mast	CertM	Doct	Total	Market Shar
14.0901	Computer Engineering, General	0	0	0	0	142	0	8	0	0	150	<u>Schools</u>
14.0903	Computer Software Engineering	0	0	0	0	23	1	23	0	0	47	<u>Schools</u>
	Total	0	0	0	0	165	1	31	0	0	197	
Cert1 = Post Cert2 = Post Assc = Asso Assc+ = Pos	secondary award, certificate, or di secondary award, certificate, or di ciate's degree tsecondary award, certificate, or d	ploma o ploma o iploma c	f (less th f (at leas of (at leas	an 1 ac it 1 but st 2 but	ademic y less than : less thai	ear) 2 acad n 4 acac	emic yea lemic yea	rs) ars)	CertB =   Mast = M CertM = Doct = D	Post-ba Master's Post-m Doctor's	accalaure s degree naster's s degree	eate certificate e certificate

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## ECONOMIC DEVELOPMENT and EMPLOYER PLANNING SYSTEM EDEPS

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Supply Indicators

		OCCUPAT. Unit of Analysis	IONAL SUPPLY DE	MAND Engineering								
	United States V	ational <b>•</b>		Lingineering								
Occupati	Occupational Characteristics United States											
SOC Code	Occupation	Growth Rate 2014-24	Median Annual Wage	Typical Education	Work Experience	Typical Training	Pct Self Empl					
17-2061	Computer Hardware Engineers	More slowly than average	\$115,120	Bachelor's degree	None	None	0.4%					
15-1132	Software Developers, Applications	Much faster than average	\$101,790	Bachelor's degree	None	None	2.0%					
15-1133	Software Developers, Systems Software	Much faster than average	\$107,600	Bachelor's degree	None	None	2.1%					
	Long-term OJT (on-the-job tra	ining): more than 1 year	Moderate-term	OJT: 1-12 months	• Short-term OJT: 1 m	onth or less						

occupational Projections onited States								
		Emplo	yment	Change	2014-24	Average		
SOC Code	Occupation	Base 2014	Proj 2024	Number	Percent	Annual Openings		
17-2061	Computer Hardware Engineers	77,700	80,100	2,400	3.1%	1,840		
15-1132	Software Developers, Applications	718,400	853,700	135,300	18.8%	23,800		
15-1133	Software Developers, Systems Software	395,600	447,000	51,300	13.0%	10,790		

**....** \*

Wage Tre	ends (Median) United States						
			Media	n Annual	Wage		Change
SOC Code	Occupation	2013	2014	2015	2016	2017	2013 to 2017
17-2061	Computer Hardware Engineers	\$104,250	\$108,430	\$111,730	\$115,080	\$115,120	10.4%
15-1132	Software Developers, Applications	\$92,660	\$95,510	\$98,260	\$100,080	\$101,790	9.9%
15-1133	Software Developers, Systems Software	\$101,410	\$102,880	\$105,570	\$106,860	\$107,600	6.1%
B	enchmarks for Wage Trends (all occupations)	ands 2013 2014 2015		2015	2016	2017	Change 2013 to 2017
	National Median Wage	\$35,080	\$35,540	\$36,200	\$37,040	\$37,690	7.4%
	National Mean Wage	\$46,440	\$47,230	\$48,320	\$49,630	\$50,620	9.0%
	National Mean Wage RSE	0.1%	0.1%	0.1%	0.1%	0.1%	
Natio	nal Consumer Price Index C-CPI-U	133.6	135.5	135.4	136.8	139.2	4.2%

Wage Tre	ends (Mean) United States											
			Mean	Annual	Wage		Change	l of	Relative f the Me	Standa an Ann	rd Erro ual Wag	r ge
SOC Code	Occupation	2013	2014	2015	2016	2017	2013 to 2017	2013	2014	2015	2016	2017
17-2061	Computer Hardware Engineers	\$106,930	\$110,650	\$114,970	\$118,700	\$119,650	11.9%	0.9%	0.9%	1.4%	1.4%	1.4%
15-1132	Software Developers, Applications	\$96,260	\$99,530	\$102,160	\$104,300	\$106,710	10.9%	1.0%	1.1%	1.1%	0.8%	0.9%
15-1133	Software Developers, Systems Software	\$104,480	\$106,050	\$108,760	\$110,590	\$111,780	7.0%	0.5%	0.6%	0.7%	0.7%	0.4%

Occupation	ООН	
Computer Hardware Engineers	How to Become One	Job Outlook
Software Developers, Applications 🔅	How to Become One	Job Outlook
Software Developers, Systems Software ᅌ	How to Become One	Job Outlook
OOH (Occupational Ou	tlook Handbook) O*NET data definit	ion) 🛛

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## **S** ECONOMIC DEVELOPMENT and EMPLOYER PLANNING SYSTEM

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Demand Indicators

OCCUPATIONAL SUPPLY DEMAND Unit of Analysis: 1415A Computer Engineering

	Program Completers by Degree Level (2015 - 2016) United States												
CIP Code	Program Title	Cert1	Cert2	Assc	Assc+	Bach	CertB	Mast	CertM	Doct	Total		
14.0901	Computer Engineering, General	2	4	28	0	6,490	32	2,986	0	357	9,899		
14.0999	Computer Engineering, Other	0	0	15	0	57	0	76	0	5	153		
14.0902	Computer Hardware Engineering	0	0	0	0	0	5	109	0	0	114		
14.0903	Computer Software Engineering	5	7	20	0	845	73	2,138	0	10	3,098		
	Total	7	11	63	0	7,392	110	5,309	0	372	13,264		

Cert1 = Postsecondary award, certificate, or diploma of (less than 1 academic year) Cert2 = Postsecondary award, certificate, or diploma of (at least 1 but less than 2 academic years) Assc = Associate's degree CertB = Post-baccalaureate certificate Mast = Master's degree CertM = Post-master's certificate Doct = Doctor's degree

Assc+ = Postsecondary award, certificate, or diploma of (at least 2 but less than 4 academic years) Bach = Bachelor's degree or equivalent

Source: National Center for Educational Statistics, Degrees Conferred 2015-16 (provisional data) An individual with a double-major (receiving two degrees) is counted as a completer for their primary degree program.

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