

# EDEPS ECONOMIC DEVELOPMENT and EMPLOYER PLANNING SYSTEM

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## OCCUPATIONAL SUPPLY DEMAND

Unit of Analysis: 1415A Computer Engineering



## Occupational Characteristics Georgia/United States

SOC Code	Occupation	Georgia		United States			
		Growth Rate 2014-24	Median Annual Wage	Typical Education	Work Experience	Typical Training	Pct Self Empl
17-2061	Computer Hardware Engineers	About as fast as average	\$90,340	Bachelor's degree	None	None	0.4%
15-1132	Software Developers, Applications	Faster than average	\$97,780	Bachelor's degree	None	None	2.0%
15-1133	Software Developers, Systems Software	Faster than average	\$100,290	Bachelor's degree	None	None	2.1%

• Long-term OJT (on-the-job training): more than 1 year • Moderate-term OJT: 1-12 months • Short-term OJT: 1 month or less

Occupational Projections Georgia		Employment		Change 2014-24		Average
SOC Code	Occupation	Base 2014	Proj 2024	Number	Percent	Annual Openings
17-2061	Computer Hardware Engineers	1,190	1,340	150	12.6%	40
15-1132	Software Developers, Applications	20,430	24,450	4,020	19.7%	690
15-1133	Software Developers, Systems Software	11,870	13,760	1,890	15.9%	360



Wage Trends (Median) Georgia		Median Annual Wage					Change
SOC Code	Occupation	2013	2014	2015	2016	2017	2013 to 2017
17-2061	Computer Hardware Engineers	\$93,010	\$101,600	\$97,960	\$92,370	\$90,340	-2.9%
15-1132	Software Developers, Applications	\$87,990	\$90,280	\$92,340	\$95,590	\$97,780	11.1%
15-1133	Software Developers, Systems Software	\$96,370	\$93,980	\$94,360	\$96,040	\$100,290	4.1%
Benchmarks for Wage Trends (all occupations)		2013	2014	2015	2016	2017	Change 2013 to 2017
Georgia Median Wage		\$32,510	\$32,840	\$33,430	\$34,330	\$35,040	7.8%
Georgia Mean Wage		\$44,040	\$44,670	\$45,420	\$46,540	\$47,200	7.2%
Georgia Mean Wage RSE		0.5%	0.6%	0.5%	0.5%	0.5%	
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%	
National Consumer Price Index C-CPI-U		133.6	135.5	135.4	136.8	139.2	4.2%

## Wage Trends (Mean) Georgia

SOC Code	Occupation	Mean Annual Wage					Change	Relative Standard Error of the Mean Annual Wage				
		2013	2014	2015	2016	2017	2013 to 2017	2013	2014	2015	2016	2017
17-2061	Computer Hardware Engineers	\$94,970	\$98,960	\$93,170	\$89,120	\$89,500	-5.8%	2.7%	2.5%	3.6%	3.3%	3.3%
15-1132	Software Developers, Applications	\$87,440	\$91,390	\$93,550	\$101,720	\$103,630	18.5%	1.4%	1.9%	1.7%	3.6%	3.2%
15-1133	Software Developers, Systems Software	\$97,690	\$94,860	\$95,570	\$97,400	\$101,530	3.9%	1.5%	1.5%	1.5%	1.3%	1.1%

## Related National Information (external links)

Occupation	OOH
Computer Hardware Engineers	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>
Software Developers, Applications ☀	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>
Software Developers, Systems Software ☀	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>

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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Demand Indicators

OCCUPATIONAL SUPPLY DEMAND  
Unit of Analysis: 1415A Computer Engineering

Georgia ▼

Program Completers by Degree Level (2015 - 2016) Georgia											Market Share	
CIP Code	Program Title	Cert1	Cert2	Assc	Assc+	Bach	CertB	Mast	CertM	Doct	Total	Market Share
14.0901	Computer Engineering, General	0	0	0	0	142	0	8	0	0	150	<a href="#">Schools</a>
14.0903	Computer Software Engineering	0	0	0	0	23	1	23	0	0	47	<a href="#">Schools</a>
	<b>Total</b>	0	0	0	0	165	1	31	0	0	197	

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

Assc+ = Postsecondary award, certificate, or diploma of (at least 2 but less than 4 academic years)

Bach = Bachelor's degree or equivalent

CertB = Post-baccalaureate certificate

Mast = Master's degree

CertM = Post-master's certificate

Doct = Doctor's degree

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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Supply Indicators

## OCCUPATIONAL SUPPLY DEMAND

Unit of Analysis: 1415A Computer Engineering

United States

National

### 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 training): more than 1 year • Moderate-term OJT: 1-12 months • Short-term OJT: 1 month or less

### Occupational Projections United States

SOC Code	Occupation	Employment		Change 2014-24		Average
		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 Trends (Median) United States

SOC Code	Occupation	Median Annual Wage					Change
		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%
Benchmarks for Wage Trends (all occupations)		2013	2014	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%	
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### Wage Trends (Mean) United States

SOC Code	Occupation	Mean Annual Wage					Change	Relative Standard Error of the Mean Annual Wage				
		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%

### Related National Information (external links)

Occupation	OOH
Computer Hardware Engineers	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>
Software Developers, Applications	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>
Software Developers, Systems Software	<a href="#">How to Become One</a> <a href="#">Job Outlook</a>

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United States ▼

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
	<b>Total</b>	7	11	63	0	7,392	110	5,309	0	372	13,264

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