

EDEPS ECONOMIC DEVELOPMENT and EMPLOYER PLANNING SYSTEM

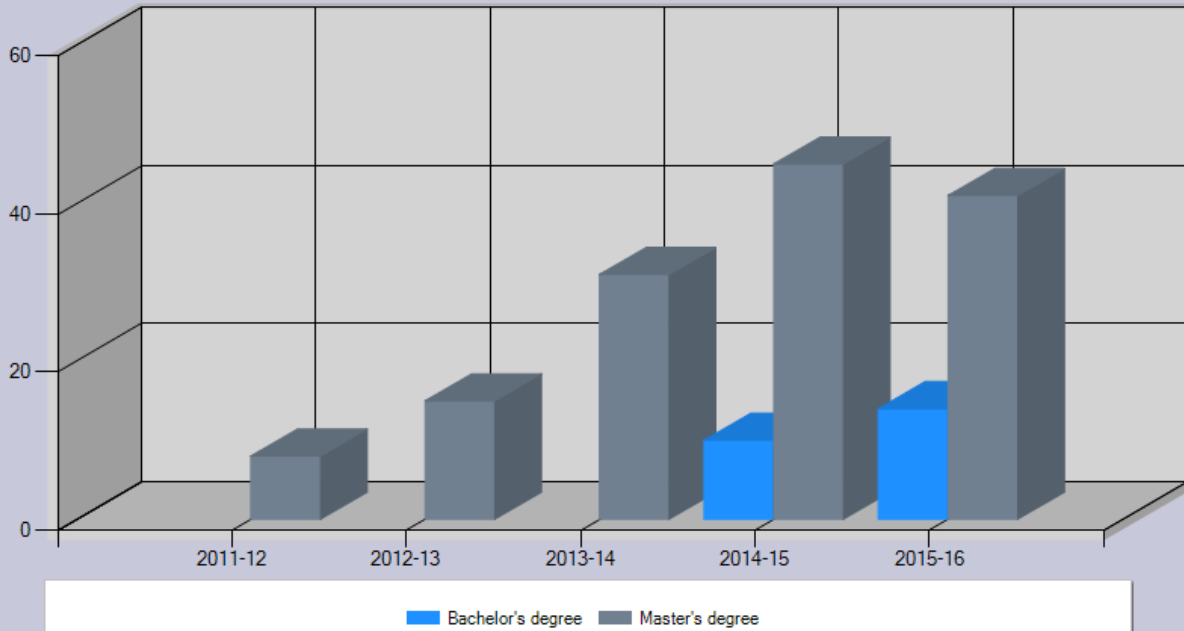
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Demand Indicators

OCCUPATIONAL SUPPLY DEMAND
Unit of Analysis: 1425A All Other Engineering



Program Completers: 14.2701 Systems Engineering (Georgia)



14.2701 Systems Engineering (Georgia)																
Market Share		Program Completers														
		2011-12			2012-13			2013-14			2014-15			2015-16		
Institution		M	W	Total	M	W	Total	M	W	Total	M	W	Total	M	W	Total
Bachelor's degree																
1	Kennesaw State University	0	0	0	0	0	0	0	0	0	7	3	10	12	2	14
Master's degree																
1	Georgia Institute of Technology-Main Campus	8	0	8	12	3	15	28	3	31	26	13	39	27	7	34
2	Kennesaw State University	0	0	0	0	0	0	0	0	0	6	0	6	3	4	7
Subtotal		8	0	8	12	3	15	28	3	31	32	13	45	30	11	41
Program Completer Total		8	0	8	12	3	15	28	3	31	39	16	55	42	13	55

Institution	Metropolitan/Micropolitan Statistical Area
Georgia Institute of Technology-Main Campus	Atlanta-Sandy Springs-Roswell, GA
Kennesaw State University	Atlanta-Sandy Springs-Roswell, GA

Source: National Center for Educational Statistics, Degrees Conferred 2012-16 (provisional data)

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OCCUPATIONAL SUPPLY DEMAND
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Georgia

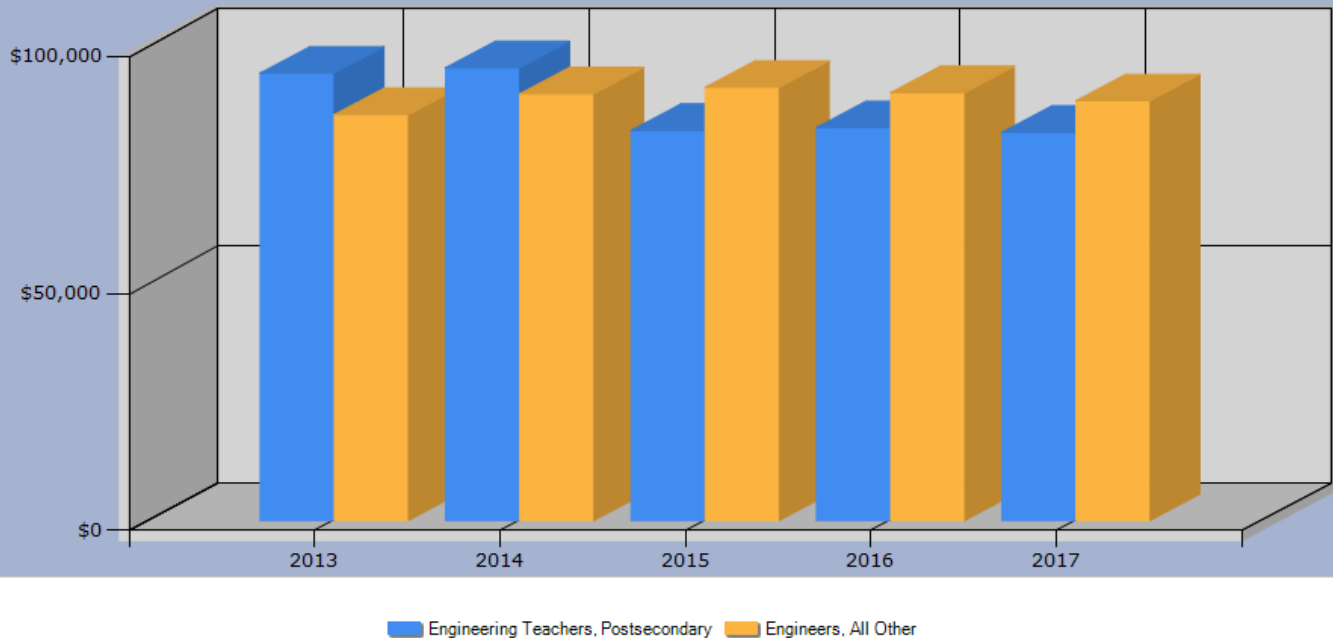
Statewide

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
25-1032	Engineering Teachers, Postsecondary	About as fast as average	\$81,770	Doctoral or professional degree	None	None	0.1%
17-2199	Engineers, All Other	More slowly than average	\$88,450	Bachelor's degree	None	None	6.2%

• 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				
SOC Code	Occupation	Employment		Change 2014-24		Average
		Base 2014	Proj 2024	Number	Percent	Annual Openings
25-1032	Engineering Teachers, Postsecondary	1,060	1,200	140	13.2%	30
17-2199	Engineers, All Other	2,030	2,150	120	6.0%	50


Wage Trends (Median) Georgia


Wage Trends (Median)		Georgia					Change 2013 to 2017
SOC Code	Occupation	Median Annual Wage					
		2013	2014	2015	2016	2017	
25-1032	Engineering Teachers, Postsecondary	\$94,250	\$95,400	\$82,170	\$82,790	\$81,770	-13.2%
17-2199	Engineers, All Other	\$85,520	\$89,890	\$91,260	\$90,130	\$88,450	3.4%
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

		Mean Annual Wage					Change	Relative Standard Error of the Mean Annual Wage				
SOC Code	Occupation	2013	2014	2015	2016	2017	2013 to 2017	2013	2014	2015	2016	2017
25-1032	Engineering Teachers, Postsecondary	\$112,110	\$111,840	\$88,560	\$88,770	\$90,940	-18.9%	6.8%	7.2%	2.5%	2.4%	1.9%
17-2199	Engineers, All Other	\$86,130	\$89,130	\$90,530	\$90,970	\$89,470	3.9%	2.4%	2.5%	2.5%	2.4%	3.1%

Related National Information (external links)

Occupation	OOH	
Engineering Teachers, Postsecondary	How to Become One	Job Outlook
Engineers, All Other	How to Become One	Job Outlook

OOH (Occupational Outlook Handbook)

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: 1425A All Other Engineering

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
14.0401	Architectural Engineering	0	0	0	0	659	91	167	0	15	932
14.4301	Biochemical Engineering	0	0	0	0	79	0	19	0	0	98
14.4501	Biological/Biosystems Engineering	0	0	0	0	284	0	22	0	21	327
14.4101	Electromechanical Engineering	2	0	0	0	28	7	0	0	1	38
15.1502	Engineering Design	0	0	0	0	0	0	37	0	1	38
14.1101	Engineering Mechanics	0	0	6	0	84	14	80	0	71	255
14.1201	Engineering Physics/Applied Physics	0	0	11	0	587	81	131	0	72	882
14.1301	Engineering Science	9	13	351	0	499	0	354	1	109	1,336
14.0101	Engineering, General	21	35	2,832	3	2,281	84	2,539	0	401	8,196
14.9999	Engineering, Other	33	25	26	0	923	226	1,158	10	158	2,559
14.3401	Forest Engineering	0	0	0	0	28	0	1	0	1	30
14.2401	Ocean Engineering	0	0	0	0	190	12	82	7	17	308
14.4001	Paper Science and Engineering	0	2	9	0	10	0	5	0	4	30
14.3201	Polymer/Plastics Engineering	2	0	0	0	109	12	91	0	65	279
14.0102	Pre-Engineering	62	69	1,081	6	21	0	0	0	0	1,239
14.2701	Systems Engineering	23	2	0	0	921	508	2,144	14	128	3,740
14.2801	Textile Sciences and Engineering	0	0	0	0	271	0	53	0	35	359
	Total	152	146	4,316	9	6,974	1,035	6,883	32	1,099	20,646

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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OCCUPATIONAL SUPPLY DEMAND

Unit of Analysis: 1425A All Other Engineering

Occupational Characteristics United States

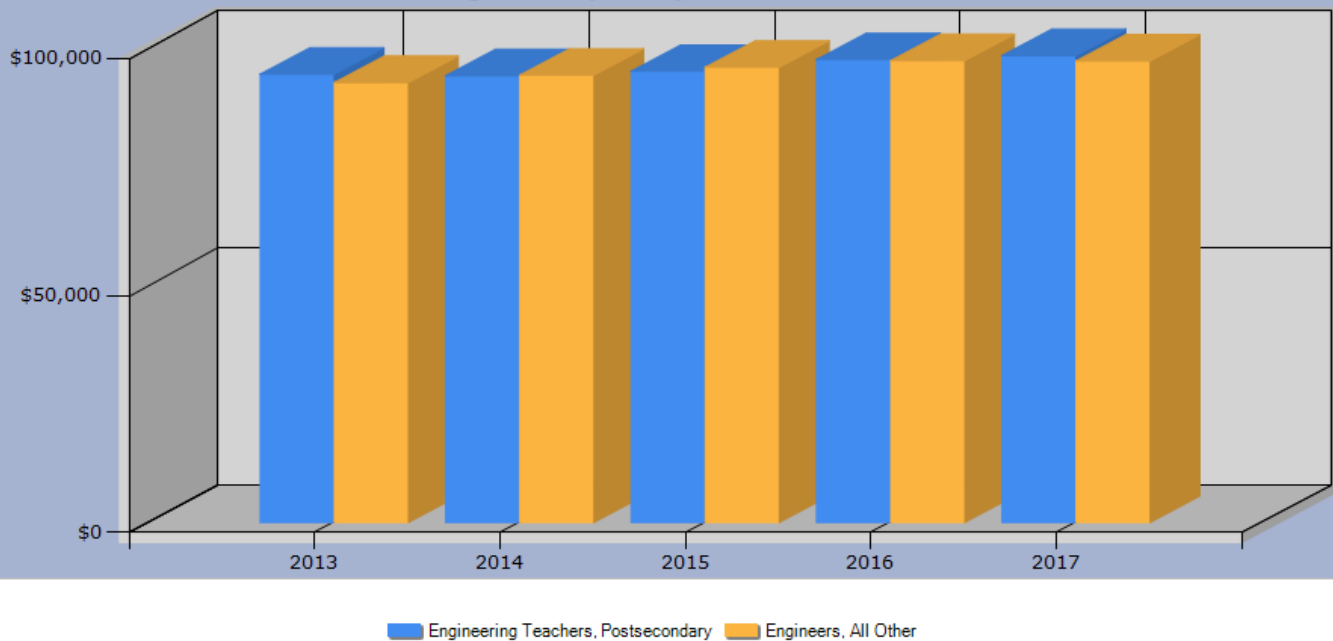
SOC Code	Occupation	Growth Rate 2014-24	Median Annual Wage	Typical Education	Work Experience	Typical Training	Pct Self Empl
25-1032	Engineering Teachers, Postsecondary	Much faster than average	\$98,360	Doctoral or professional degree	None	None	0.1%
17-2199	Engineers, All Other	About as fast as average	\$97,250	Bachelor's degree	None	None	6.2%

• 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		Employment		Change 2014-24		Average
SOC Code	Occupation	Base 2014	Proj 2024	Number	Percent	Annual Openings
25-1032	Engineering Teachers, Postsecondary	46,000	52,000	6,000	13.2%	1,420
17-2199	Engineers, All Other	136,900	142,300	5,500	4.0%	3,300



Wage Trends (Median) United States



Wage Trends (Median) United States		Median Annual Wage					Change
SOC Code	Occupation	2013	2014	2015	2016	2017	2013 to 2017
25-1032	Engineering Teachers, Postsecondary	\$94,460	\$94,130	\$95,060	\$97,530	\$98,360	4.1%
17-2199	Engineers, All Other	\$92,680	\$94,240	\$95,900	\$97,300	\$97,250	4.9%
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%
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National Consumer Price Index C-CPI-U		133.6	135.5	135.4	136.8	139.2	4.2%

Wage Trends (Mean) United States

SOC Code	Occupation	Mean Annual Wage					Change 2013 to 2017	Relative Standard Error of the Mean Annual Wage				
		2013	2014	2015	2016	2017		2013	2014	2015	2016	2017
25-1032	Engineering Teachers, Postsecondary	\$102,880	\$102,000	\$104,220	\$107,490	\$109,830	6.8%	1.1%	1.1%	1.2%	1.2%	1.2%
17-2199	Engineers, All Other	\$94,310	\$96,350	\$98,150	\$99,250	\$99,310	5.3%	0.8%	0.5%	0.5%	0.4%	0.4%

Related National Information (external links)	
Occupation	OOH
Engineering Teachers, Postsecondary	How to Become One Job Outlook
Engineers, All Other	How to Become One Job Outlook

OOH (Occupational Outlook Handbook)

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

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