

ACT Workforce Research Snapshot:

Foundational Skills for Information Careers

Target Occupations in the Information Services Industry

- The information services industry is comprised of businesses engaged in producing and distributing information, providing the means to transmit or distribute data or communications, and processing data.
- Target careers in the information services industry constitute 3% of total occupational employment in the U.S.
- Target information services careers are projected to grow more than 12% from 2012-2022 with more than 1.31 million openings due to growth and replacements.

Foundational Skills for Information Services Careers

O*Net Code	Occupation	Locating Information (Range 3-6)	Reading for Information (Range 3-7)	Applied Mathematics (Range 3-7)	Median Annual Wage (2012)	US Employment 2012
11-3021.00	Computer and Information Systems Managers	5	5	6	\$ 120,950	332,700
15-1122.00	Information Security Analysts	6	6	6	\$ 86,170	75,100
15-1131.00	Computer Programmers	5	6	5	\$ 74,280	343,700
15-1133.00	Software Developers, Systems Software	4	5	4	\$ 99,000	405,000
15-1141.00	Database Administrators	5	5	5	\$ 77,080	118,700
15-1143.01	Telecommunications Engineering Specialists	5	5	4	\$ 91,000	143,400
15-1151.00	Computer User Support Specialists	4	5	5	\$ 46,420	547,700
17-2072.00	Electronics Engineers, Except Computer	5	6	5	\$ 91,820	140,000
27-1013.00	Fine Artists, Including Painters, Sculptors, and Illustrators	5	5	4	\$ 44,850	28,800
27-1024.00	Graphic Designers	4	4	4	\$ 44,150	259,500
27-2012.03	Program Directors	4	4	4	\$ 71,350	103,500
27-2012.05	Technical Directors/Managers	5	5	4	\$ 71,350	103,500
27-3042.00	Technical Writers	5	5	5	\$ 65,500	49,500
27-4012.00	Broadcast Technicians	4	5	3	\$ 37,880	36,700
41-3011.00	Advertising Sales Agents	5	4	4	\$ 46,290	154,600
41-3099.00	Sales Representatives, Services, All Other	5	5	5	\$ 50,850	701,900
43-9011.00	Computer Operators	4	5	4	\$ 38,390	74,600
49-2022.00	Telecommunications Equipment Installers and Repairers	4	4	4	\$ 54,530	217,200
49-9052.00	Telecommunications Line Installers and Repairers	4	4	3	\$ 51,410	134,900
51-5111.00	Prepress Technicians and Workers	4	3	3	\$ 37,260	42,700

About the Data

Wage and employment data are from the U.S. Bureau of Labor Statistics. Foundational skill levels are derived from ACT's job profile database which includes over 19,000 job analyses for occupations across a diverse array of industries and occupations. Foundational skill levels are presented for three WorkKeys® cognitive skills—Reading for Information, Applied Mathematics, and Locating Information for selected groups of targeted occupations over the next 8-10 years. These three skills have been consistently identified as important for success in a broad range of jobs. Additional data for skill levels for other WorkKeys cognitive assessments can be found at: http://profiles.keytrain.com/profile_search/.