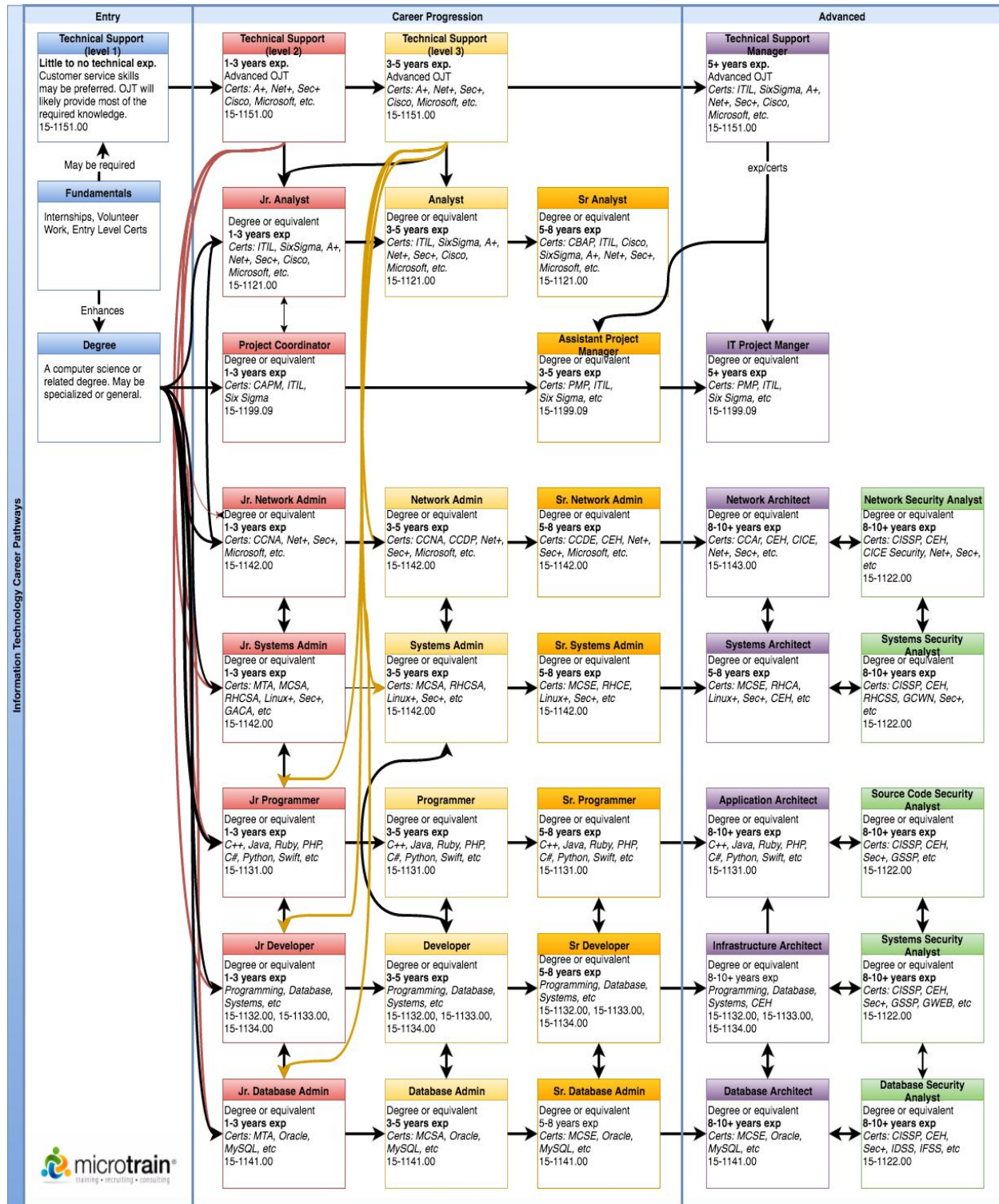


Information Technology Career Pathways



Entry into the Field of Information Technology

Entry in the information technology field will typically require a four year degree in an area of study related computer science or computer information systems. In lieu of a degree entry into this field may be obtained through entry level support roles or (though rare) a demonstration of natural talent. With a four year degree one should be able to skip entry level support roles and move straight into a junior level role in a given discipline. Even this, however, is growing increasingly difficult without internships and/or a convincing demonstration of knowledge and/or skills. Internships, volunteer work and industry certifications are all great ways of overcoming any of these barriers.

Career Path - Technical Support

You'll be part of the IT crowd if you work in a technical support job or as a helpdesk operator, monitoring and maintaining the computer systems as well as the networks within an organization. This is the busy front-line, dealing directly with employees or customers who have technical issues such as forgotten passwords, viruses or email issues.

Tech Support - Level One

Level one tech support is typically a customer service role set in a retail or call center environment. As the first line of support your focus is on helping the customer troubleshoot software and hardware issues. This role tends to focus on general product knowledge.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as *Computer User Support Specialists 15-1151.00*. At this career level you might expect a starting annual salary of around **\$31,320**. Top professionals with 10+ years exp. may expect to make upwards of \$84,560 per year. The DOL estimates there to be roughly **16,880 Computer User Support Specialists** jobs in the Chicagoland area. According to 2012 IDES estimates, with **13.47%** growth in LWA 7 alone, we should expect a total of **9665** jobs with **1142** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- PCMI
- Ticketmaster
- Dyson
- Infinity Consulting Solutions
- Apple
- Rehabilitation Institute of Chicago

- Groupon
- Blue Cross and Blue Shield Association
- Northwestern University
- Wyzant

Sample of related job titles

Technical Support Coordinator, Computer Specialist, Computer Support Specialist, Computer Technician, Help Desk Analyst, Support Specialist, Technical Support Specialist

Next steps

Career progression will typically lead to level two support.

Tech Support - Level Two

As with level one you will be helping customers resolve issues. However, you will not likely be taking front line calls. This role typically requires more specialized product knowledge.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer User Support Specialists 15-1151.00**. At this career level you might expect a starting annual salary between **\$40,940 and \$52,230**. Top professionals with 10+ years exp. may expect to make upwards of **\$84,560** per year. The DOL estimates there to be roughly **16,880 Computer User Support Specialists** jobs in the Chicagoland area. According to 2012 IDES estimates, with **13.47%** growth in LWA 7 alone, we should expect a total of **9665** jobs with **1142** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Akima
- JP Morgan Chase
- Dell
- Alliance Data
- Apple
- Rehabilitation Institute of Chicago
- Groupon
- Blue Cross and Blue Shield Association
- Northwestern University
- Wyzant

Sample of related job titles

Technical Support Level 2, Help Desk Level 2, Desktop Systems Specialist - Level 2, Information Technology Specialist 2, Help Desk Tier 2

Next steps

Career progression may lead to level 3 support, systems, networking, analyst or project roles.

Tech Support - Level Three

This tends to be a very specialized job and in many organizations level three support is considered to part part of product development rather than general support.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer User Support Specialists 15-1151.00**. At this career level you might expect a starting annual salary of between **\$52,230 and \$67,960**. Top professionals with 10+ years exp. may expect to make upwards of **\$84,560** per year. The DOL estimates there to be roughly **16,880 Computer User Support Specialists** jobs in the Chicagoland area. According to 2012 IDES estimates, with **13.47%** growth in LWA 7 alone, we should expect a total of **9665** jobs with **1142** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Akima
- JP Morgan Chase
- Dell
- Alliance Data
- Apple
- Rehabilitation Institute of Chicago
- Groupon
- Blue Cross and Blue Shield Association
- Northwestern University
- Wyzant

Sample of related job titles

Technical Support Level 3, Help Desk Level 3, Desktop Systems Specialist - Level 3, Information Technology Specialist 3, Help Desk Tier 3

Next steps

Career progression may lead to management, systems, networking, analyst, development or project roles.

Technical Support Manager

Technical support managers train and coordinate the company's technical service staff. In this role, you will typically work with product development teams to improve and build documentation and support procedures.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer User Support Specialists 15-1151.00**. At this career level you might expect a starting annual salary of between **\$67,960 and \$84,560**. Top professionals with 10+ years exp. may expect to make upwards of **\$84,560** per year. The DOL estimates there to be roughly **16,880 Computer User Support Specialists** jobs in the Chicagoland area. According to 2012 IDES estimates, with **13.47%** growth in LWA 7 alone, we should expect a total of **9665** jobs with **1142** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Akima
- JP Morgan Chase
- Dell
- Alliance Data
- Apple
- Rehabilitation Institute of Chicago
- Groupon
- Blue Cross and Blue Shield Association
- Northwestern University
- Wyzant

Sample of related job titles

Help Desk Manager, Technical Support Manager, Service Manager, Customer Support Manager, Front Line Support Manager, Manager of Technical Services, IT Service Delivery Manager

Next steps

Career progression may lead to information systems management, mid-level systems or networking, networking, development or project roles.

Career Path - Systems

A system administrator, or sysadmin, is a person who is responsible for the upkeep, configuration, and reliable operation of computer systems; especially multi-user computers, such as servers. The system administrator seeks to ensure that the uptime, performance, resources, and security of the computers he or she manages meet the needs of the users, without exceeding the budget. To meet these needs, a system administrator may acquire, install, or upgrade computer components and software; provide routine automation; maintain security policies; troubleshoot; train and/or supervise staff; or technical support in projects.

Career Path - Networking

Industries across the career spectrum and around the world depend on computer networking to keep employees connected and business flowing. Network administrators and engineers are responsible for implementing, maintaining, supporting, developing and, in some cases designing communication networks within an organization or between organizations.

Jr. Network Admin

Analyzes and resolves end user hardware and software computer problems in a timely and accurate fashion, and provides end user training where required. Ensures the stable operation of the in-house computer network and all connected PCs and peripherals, including planning, developing, installing, configuring, maintaining, supporting, and optimizing all network hardware, software, and communication links.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Network and Computer Systems Administrators 15-1142**. At this career level you might expect a starting annual salary of around **\$53,430**. Top professionals with 10+ years exp. may expect to make upwards of **\$123,070** per year. The DOL estimates there to be roughly **9,980** Network and Computer Systems Administrators jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.96%** growth in LWA 7 alone, we should expect a total of **6,484** jobs with **451** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Centro
- United Airlines
- Arrow Electronics

- Taleo Corporation UK
- Oracle
- DePaul University
- JP Morgan Chase
- Bank of America
- University of Illinois at Chicago
- Dell

Sample of related job titles

Jr. Network Admin, Cisco Network Engineer, LAN Systems Administrator, Network Support Administrator, Network Support Coordinator, Network Analyst, Network Coordinator

Next steps

Career progression may lead to mid-level networking, systems, analyst, development or project roles.

Network Admin

Analyzes and resolves end user hardware and software computer problems in a timely and accurate fashion, and provides end user training where required. Ensures the stable operation of the in-house computer network and all connected PCs and peripherals, including planning, developing, installing, configuring, maintaining, supporting, and optimizing all network hardware, software, and communication links.

Sample of related job titles

Jr. Network Admin, Cisco Network Engineer, LAN Systems Administrator, Network Support Administrator, Network Support Coordinator, Network Engineer, Network Manager

Next steps

Career progression may lead to senior-level networking, systems, analyst, development or project roles.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Network and Computer Systems Administrators 15-1142**. At this career level you might expect a starting annual salary of between **\$65,740 and \$82,170**. Top professionals with 10+ years exp. may expect to make upwards of **\$123,070** per year. The DOL estimates there to be roughly **9,980** Network and Computer Systems Administrators jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.96%** growth in LWA 7 alone, we should expect a total of **6,484** jobs with **451** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Centro
- United Airlines
- Arrow Electronics
- Taleo Corporation UK
- Oracle
- DePaul University
- JP Morgan Chase
- Bank of America
- University of Illinois at Chicago
- Dell

Sr. Network Admin

Analyzes and resolves end user hardware and software computer problems in a timely and accurate fashion, and provides end user training where required. Ensures the stable operation of the in-house computer network and all connected PCs and peripherals, including planning, developing, installing, configuring, maintaining, supporting, and optimizing all network hardware, software, and communication links.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Network and Computer Systems Administrators 15-1142**. At this career level you might expect a starting annual salary of around **\$101,460**. Top professionals with 10+ years exp. may expect to make upwards of **\$123,070** per year. The DOL estimates there to be roughly **9,980** Network and Computer Systems Administrators jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.96%** growth in LWA 7 alone, we should expect a total of **6,484** jobs with **451** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Centro
- United Airlines
- Arrow Electronics
- Taleo Corporation UK
- Oracle
- DePaul University
- JP Morgan Chase
- Bank of America

- University of Illinois at Chicago
- Dell

Sample of related job titles

Jr. Network Admin, Cisco Network Engineer, LAN Systems Administrator, Network Support Administrator, Network Support Coordinator, Network Engineer, Network Manager

Next steps

Career progression may lead to network security or architecture, systems, analyst, development or project roles.

Network Security Analyst

Plan, implement, upgrade, or monitor security measures for the protection of computer networks. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Systems Security Analyst 15-1122.00**. At this career level you might expect a starting annual salary between **\$89,643 and \$111,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **897 Information Systems Security Analyst** jobs in the Chicagoland area. According to 2012 IDES estimates, with **23.30%** growth in LWA 7 alone, we should expect a total of **1,106** jobs with **209** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Taleo Corporation UK
- JP Morgan Chase
- Akraya
- Trustwave
- Cook County Government
- GE
- DePaul University
- Chicago Transit Authority
- Intel

Sample of related job titles

Network Security Administrator, Network Security Analyst, Network Security Engineer, Network Security Officer, Security Analyst, Security Engineer, Systems Security Information Technology Specialist

Next steps

Career progression may lead to information systems management, network architecture or senior management.

Network Architect

Analyzes and resolves end user hardware and software computer problems in a timely and accurate fashion, and provides end user training where required. Ensures the stable operation of the in-house computer network and all connected PCs and peripherals, including planning, developing, installing, configuring, maintaining, supporting, and optimizing all network hardware, software, and communication links.

Sample of related job titles

Network Architect, Network Systems Consultant, Network Systems Integrator, Network/Telecom Engineer, Networking Engineer, Networking Systems and Distributed Systems Engineer, Telecommunication Systems Designer, Design Engineer

Next steps

Career progression may lead to information systems management, network security or senior management.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Network Architects 15-1143.00**. At this career level you might expect a starting annual salary of around **\$112,820**. Top professionals with 10+ years exp. may expect to make upwards of **\$161,080** per year. The DOL estimates there to be roughly **3,460** Computer Network Architects jobs in the Chicagoland area. According to 2012 IDES estimates, with **11.32%** growth in LWA 7 alone, we should expect a total of **2,733** jobs with **278** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- J. Patrick & Associates
- CDW

- Iri
- Humana
- Cook County Government
- Barracuda
- Experis
- Xr Trading

Career Path - Database

A database professional is responsible for the performance, integrity and security of a database. They will also be involved in the planning and development of the database as well as troubleshooting any issues on behalf of the users. Job roles vary depending on the needs of the organization, type of database, business process and the capabilities of the database management system in use.

Jr. Database Administrator

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Database Administrator 15-1141.00**. At this career level you might expect a starting annual salary of around **\$51,800**. Top professionals with 10+ years exp. may expect to make upwards of **\$125,650** per year. The DOL estimates there to be roughly **3,550** Database Administrator jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.62%** growth in LWA 7 alone, we should expect a total of **2,625** jobs with **163** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- University of Illinois at Chicago
- Seyfarth Shaw
- Alliance Data
- BMO Financial
- SEOClearity
- Aetna
- True Value
- Oracle
- Walgreens
- SAP

Sample of related job titles

Data Administrator, Database Administrator, Database Technician, Database Tester, Database Analyst, Database Coordinator

Next steps

Career progression may lead to mid-level database, programming, systems, networking, analyst, development or project roles.

Database Administrator

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Database Administrator 15-1141.00**. At this career level you might expect a starting annual salary of between **\$60,600 and \$80,860**. Top professionals with 10+ years exp. may expect to make upwards of **\$125,650** per year. The DOL estimates there to be roughly **3,550** Database Administrator jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.62%** growth in LWA 7 alone, we should expect a total of **2,625** jobs with **163** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- University of Illinois at Chicago
- Seyfarth Shaw
- Alliance Data
- BMO Financial
- SEOClarity
- Aetna
- True Value
- Oracle
- Walgreens
- SAP

Sample of related job titles

Data Administrator, Database Administrator, Database Developer, Oracle Developer, Oracle DBA, MySQL Administrator

Next steps

Career progression may lead to senior-level database, programming, systems, networking, analyst, development or project roles.

Sr. Database Administrator

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Database Administrator 15-1141.00**. At this career level you might expect a starting annual salary of between **\$106,260**. Top professionals with 10+ years exp. may expect to make upwards of **\$125,650** per year.

The DOL estimates there to be roughly **3,550** Database Administrator jobs in the Chicagoland area. According to 2012 IDES estimates, with **6.62%** growth in LWA 7 alone, we should expect a total of **2,625** jobs with **163** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- University of Illinois at Chicago
- Seyfarth Shaw
- Alliance Data
- BMO Financial
- SEOClearity
- Aetna
- True Value
- Oracle
- Walgreens
- SAP

Sample of related job titles

Data Warehousing Engineer, Sr. MySQL Administrator, Database Administration Manager, Database Developer, Database Engineer, DBMS Specialist, Databases Software Consultant

Next steps

Career progression may lead to architecture or information security, programming, systems, networking, analyst, development, project roles or information systems management roles.

Database Security Analyst

Plan, implement, upgrade, or monitor security measures for the protection of database systems. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Systems Security Analyst 15-1122.00**. At this career level you might expect a starting annual salary between **\$89,643 and \$111,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **897 Information Systems Security Analyst** jobs in the Chicagoland area. According to 2012 IDES estimates, with **23.30%** growth in LWA 7 alone, we should expect a total of **1,106** jobs with **209** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Taleo Corporation UK
- JP Morgan Chase
- Akraya
- Trustwave
- Cook County Government
- GE
- DePaul University
- Chicago Transit Authority
- Intel

Sample of related job titles

Information Security Administrator, Application Systems Administrator, Information Security Analyst, Data Security Analyst, Security Analyst, Security Engineer, Systems Security Information Technology Specialist

Next steps

Career progression may lead to information systems management, database architecture or senior management.

Database Architect

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Database Administrators 15-1199.06**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Sears Holding
- Nexgen Wireless
- Sinai Health Systems

Sample of related job titles

Artificial Intelligence Specialist, Database Architect, Information Architect, Information Engineer, Knowledge Architect, Consultant, Strategic Business and Technology Intelligence, Systems Development Manager, Security Architect

Next steps

Career progression may lead to information systems management, information systems security or senior management.

Career Path - Programming

A programmer turns specifications into working code for a specific system or platform.

Jr. Programmer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Programmers 15-1131.00**. At this career level you might expect a starting annual salary around **\$40,210**. Top professionals with 10+ years exp. may expect to make upwards of **\$120,810** per year. The DOL estimates there to be roughly **12,090 Computer Programmers** jobs in the Chicagoland area. According to 2012 IDES estimates, with **8.31%** growth in LWA 7 alone, we should expect a total of **10,699** jobs with **821** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- U.S. Cellular
- Oracle
- Alpine
- TransCentra
- University of Chicago
- Bank of America
- Uptake

- Nanosphere, Inc
- Great Point Capital LLC
- Northwestern University

Sample of related job titles

Analyst Programmer, .NET Developer, Applications Programmer, Beta Tester, Business Programmer, Programmer, Programmer Analyst, Software Programmer

Next steps

Career progression may lead to mid-level programming, development, systems of project roles.

Programmer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Programmers 15-1131.00**. At this career level you might expect a starting annual salary between **\$53,580 and \$75,560**. Top professionals with 10+ years exp. may expect to make upwards of **\$120,810** per year. The DOL estimates there to be roughly **12,090 Computer Programmers** jobs in the Chicagoland area. According to 2012 IDES estimates, with **8.31%** growth in LWA 7 alone, we should expect a total of **10,699** jobs with **821** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- U.S. Cellular
- Oracle
- Alpine
- TransCentra
- University of Chicago
- Bank of America
- Uptake
- Nanosphere, Inc
- Great Point Capital LLC
- Northwestern University

Sample of related job titles

Systems Engineer, .NET Developer, Applications Programmer, Business Programmer, Programmer, Programmer Analyst, Software Programmer, Java Programmer, Video Game Programmer

Next steps

Career progression may lead to senior-level programming or development, systems of project roles.

Sr. Programmer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Programmers 15-1131.00**. At this career level you might expect a starting annual salary around **\$98,340**. Top professionals with 10+ years exp. may expect to make upwards of **\$120,810** per year. The DOL estimates there to be roughly **12,090 Computer Programmers** jobs in the Chicagoland area. According to 2012 IDES estimates, with **8.31%** growth in LWA 7 alone, we should expect a total of **10,699** jobs with **821** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- U.S. Cellular
- Oracle
- Alpine
- TransCentra
- University of Chicago
- Bank of America
- Uptake
- Nanosphere, Inc
- Great Point Capital LLC
- Northwestern University

Sample of related job titles

Systems Engineer, lead Programmer, Database Programmer, Sr. Java Programmer, Operating System Programmer, Software Engineer, Software Programmer

Next steps

Career progression may lead to systems architecture, information systems security, information systems management, sr level development or database roles.

Career Path - Development

Developers are the brains behind the design, installation, testing and maintenance of software systems. Development is a cross-disciplinary career path typically requiring hardware, systems, database and programming knowledge. Entry into this field typically requires extensive experience or a four years degree in computer science/information systems.

Jr. Developer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **System, Application and Web Developer 15-1132.00, 15-1133.00 and, 15-1134.00**. At this career level you might expect a starting annual salary around **\$46,960**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **32010 System, Application and Web Developer** jobs in the Chicagoland area. According to 2012 IDES estimates, with **17.69%** growth in LWA 7 alone, we should expect a total of **26,182** jobs with **3936** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Paini
- Brainstation
- HNTB
- U.S. Cellular
- CDW
- Nuveen Investments
- DePaul university
- Avantcredit
- Rdi/a Digital
- Xr Trading

Sample of related job titles

Systems Engineer, Web Developer, Applications Developer, Programmer, Internet Programmer, Systems Programmer, .Net Developer, Jr LAMP Stack Developer, Jr. Full Stack Developer, Jr. Openstack Developer

Next steps

Career progression may lead to mid-level development mid-level database mid-level systems, mid-level programming, analyst or project roles.

Career Path - Development

Developer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **System, Application and Web Developer 15-1132.00, 15-1133.00 and, 15-1134.00**. At this career level you might expect a starting annual salary around **\$65,023**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **32010 System, Application and Web Developer** jobs in the Chicagoland area. According to 2012 IDES estimates, with **17.69%** growth in LWA 7 alone, we should expect a total of **26,182** jobs with **3936** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Painsi
- Brainstation
- HNTB
- U.S. Cellular
- CDW
- Nuveen Investments
- DePaul university
- Avantcredit
- Rdi/a Digital
- Xr Trading

Sample of related job titles

Systems Engineer, Web Developer, Applications Developer, Programmer, Internet Programmer, Systems Programmer, .Net Developer, LAMP Stack Developer, Full Stack Developer, Openstack Developer

Next steps

Career progression may lead to senior-level development, senior-level database senior-level systems, senior-level programming, mid-level analyst or project roles.

Sr. Developer

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **System, Application and Web Developer 15-1132.00, 15-1133.00 and, 15-1134.00**. At this career level you might expect a starting annual salary between **\$89,643 and \$111,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **32010 System, Application and Web Developer** jobs in the Chicagoland area. According to 2012 IDES estimates, with **17.69%** growth in LWA 7 alone, we should expect a total of **26,182** jobs with **3936** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Palni
- Brainstation
- HNTB
- U.S. Cellular
- CDW
- Nuveen Investments
- DePaul university
- Avantcredit
- Rdi/a Digital
- Xr Trading

Sample of related job titles

Systems Engineer, Web Developer, Applications Developer, Programmer, Internet Programmer, Systems Programmer, .Net Developer, Sr. LAMP Stack Developer, Sr. Full Stack Developer, Sr. Openstack Developer, Lead Developer

Next steps

Career progression may lead to information systems architecture or security, senior-level analyst networking or project roles.

Systems Security Analyst

Plan, implement, upgrade, or monitor security measures for the protection of computer systems. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Systems Security Analyst 15-1122.00**. At this career level you might expect a starting annual salary between **\$89,643 and \$111,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **897 Information Systems Security Analyst** jobs in the Chicagoland area. According to 2012 IDES estimates, with **23.30%** growth in LWA 7 alone, we should expect a total of **1,106** jobs with **209** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Taleo Corporation UK
- JP Morgan Chase
- Akraya
- Trustwave
- Cook County Government
- GE
- DePaul University
- Chicago Transit Authority
- Intel

Sample of related job titles

Information Security Administrator, Information Security Analyst, Data Security Analyst, Security Analyst, Security Engineer, Systems Security Information Technology Specialist

Next steps

Career progression may lead to information systems management, architecture roles or senior management.

Systems Architect

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Systems Engineers/Architects 15-1199.02**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Sears Holding
- Nexgen Wireless
- Sinai Health Systems

Sample of related job titles

Solution Architect, System Architect, Computer Systems Architect, Security Architect, Knowledge Architect, Enterprise Architect.

Next steps

Career progression may lead to information systems management, information systems security or senior management.

Career Path - Analysis

A computer systems analyst helps a company or other organization use computer technology effectively and efficiently. He or she incorporates new technology into a company's current system after doing a cost-benefit analysis to determine whether doing so is financially sound and will serve the entity well.

Jr. Analyst

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Systems Analysts 15-1121.00**. At this career level you might expect a starting annual salary around **\$54,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$124,870** per year. The DOL estimates there to be roughly **18,250 Computer Systems Analysts** jobs in the Chicagoland

area. According to 2012 IDES estimates, with **20.29%** growth in LWA 7 alone, we should expect a total of **9754** jobs with **1645** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- CEdge Software Consultants
- Presence Health
- State of Illinois
- Waterton
- United Airlines
- BMO Financial Group
- Northwestern University
- Cook County Sheriff's Office
- PCMI Corporation
- Rehabilitation Institute of Chicago

Sample of related job titles

Applications Analyst, Applications Systems Analyst, Software Analyst, Systems Analyst, Technical Analyst, Programmer Analyst, Business Analyst, Applications Developer

Next steps

Career progression may lead to mid-level programming, development, systems of project roles.

Analyst

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Systems Analysts 15-1121.00**. At this career level you might expect a starting annual salary between **\$67,580 and \$87,250**. Top professionals with 10+ years exp. may expect to make upwards of **\$124,870** per year. The DOL estimates there to be roughly **18,250 Computer Systems Analysts** jobs in the Chicagoland area. According to 2012 IDES estimates, with **20.29%** growth in LWA 7 alone, we should expect a total of **9754** jobs with **1645** total openings by the end 2022.

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Sample of related job titles

Applications Analyst, Applications Systems Analyst, Software Analyst, Systems Analyst, Technical Analyst, Programmer Analyst, Business Analyst, Applications Developer

Next steps

Career progression may lead to mid-level programming, development, systems of project roles.

Sr. Analyst

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Computer Systems Analysts 15-1121.00**. At this career level you might expect a starting annual salary between **\$87,250 and \$106,470**. Top professionals with 10+ years exp. may expect to make upwards of **\$124,870** per year. The DOL estimates there to be roughly **18,250 Computer Systems Analysts** jobs in the Chicagoland area. According to 2012 IDES estimates, with **20.29%** growth in LWA 7 alone, we should expect a total of **9754** jobs with **1645** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

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- Northwestern University
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- PCMI Corporation
- Rehabilitation Institute of Chicago

Sample of related job titles

Applications Analyst, Applications Systems Analyst, Software Analyst, Systems Analyst, Technical Analyst, Programmer Analyst, Business Analyst, Applications Developer

Next steps

Career progression may lead to mid-level programming, development, systems of project roles.

Career Path - Project

Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met.

Project Coordinator

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Technology Project Managers 15-1199.09**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- PMA Consultants
- Lionbridge Technologies

Sample of related job titles

IT Manager, IT Project Manager, Manager of IT, Program Manager, Project Manager, Project Manager/Team Coach, Senior Lead Project Manager, Senior Project Leader/Team Lead, Technical Project Lead (Project Manager), Transition Program Manager

Next steps

Career progression may lead to mid-level project or analyst roles.

Assistant Project Manager

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Technology Project Managers 15-1199.09**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

Sample of companies that hire for this occupation in the Chicagoland Area

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- PMA Consultants
- Lionbridge Technologies

Sample of related job titles

IT Manager, IT Project Manager, Manager of IT, Program Manager, Project Manager, Project Manager/Team Coach, Senior Lead Project Manager, Senior Project Leader/Team Lead, Technical Project Lead (Project Manager), Transition Program Manager

Next steps

Career progression may lead to advanced project or analyst roles.

Project Manager

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Technology Project Managers 15-1199.09**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

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Sample of related job titles

IT Manager, IT Project Manager, Manager of IT, Program Manager, Project Manager, Project Manager/Team Coach, Senior Lead Project Manager, Senior Project Leader/Team Lead, Technical Project Lead (Project Manager), Transition Program Manager

Next steps

Career progression may lead to advanced project or senior management roles.

Product Manager

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Technology Project Managers 15-1199.09**. As this is a new and emerging occupational classification neither the DOL nor IDES currently has much information on this occupation. The DOL has determined this occupation to have a bright outlook.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- PMA Consultants
- Lionbridge Technologies

Sample of related job titles

IT Manager, IT Project Manager, Manager of IT, Program Manager, Project Manager, Project Manager/Team Coach, Senior Lead Project Manager, Senior Project Leader/Team Lead, Technical Project Lead (Project Manager), Transition Program Manager

Next steps

Career progression may lead to advanced project or senior management roles.

Information Security

Information Security is not as much a career path as it is a destination. It is unlikely to find an entry level security role. A typical security analyst would have 5 -10 years of experience in a given discipline at which point they would become an analyst in that discipline.

Information Security Analyst

Plan, implement, upgrade, or monitor security measures for the protection of computer networks, systems, applications and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.

Chicagoland Statistics

The Department of Labor (DOL) classifies this job role as **Information Systems Security Analyst 15-1122.00**. At this career level you might expect a starting annual salary between **\$89,643 and \$111,280**. Top professionals with 10+ years exp. may expect to make upwards of **\$132,933** per year. The DOL estimates there to be roughly **897 Information Systems Security Analyst** jobs in the Chicagoland area. According to 2012 IDES estimates, with **23.30%** growth in LWA 7 alone, we should expect a total of **1,106** jobs with **209** total openings by the end 2022.

Sample of companies that hire for this occupation in the Chicagoland Area

Based on an analysis of over 700,000 job postings.

- Taleo Corporation UK
- JP Morgan Chase
- Akraya
- Trustwave
- Cook County Government
- GE
- DePaul University
- Chicago Transit Authority
- Intel

Sample of related job titles

Computer Security Specialist, Computer Specialist, Data Security Administrator, Information Security Analyst, Information Security Manager, Information Security Officer, Information Security Specialist, Information Systems Security Analyst, Information Technology Security Analyst, Information Technology Specialist

Next steps

Career progression may lead to information systems management, architecture roles or senior management.