**Appendix A**

***(Sponsor(s) with multiple occupations must complete an Appendix A for each occupation)***

**WORK PROCESS SCHEDULE**

**AND**

**RELATED INSTRUCTION OUTLINE**

**Appendix A**

**WORK PROCESS SCHEDULE**

**Tech Support Specialist (Computer User Support Specialist)**

**O\*NET-SOC CODE: 15-1232.00 RAPIDS CODE: 2018CB**

This schedule is attached to and a part of these Standards for the above identified occupation.

# APPRENTICESHIP APPROACH

[ ]  Time-based [x]  Competency-based [ ]  Hybrid

# TERM OF APPRENTICESHIP

The term of the apprenticeship is 1 years with an OJL attainment of 37 competencies, supplemented by the minimum required 328 hours of related instruction.

# RATIO OF APPRENTICES TO JOURNEYWORKERS

The apprentice to journeyworker ratio is: 1 Apprentice(s) to1 Journeyworker(s).

# APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on either a percentage or a dollar amount of the current hourly journeyworker wage rate, which is:
*$*19.50/hr.

1-Year Term:

1st 06 months (1000 hours) = $13.50/hr

2nd 06 months (1000 hours) = $16.50/hr

# PROBATIONARY PERIOD

Every applicant selected for apprenticeship will serve a probationary period of *12 weeks*.

# SELECTION PROCEDURES

Please see page A- 8 .

**Appendix A**

**ON-THE-JOB LEARNING OUTLINE**

**Tech Support Specialist (Computer User Support Specialists)**

**O\*NET-SOC CODE: 15-1232.00 RAPIDS CODE: 2018CB**

***Instructions for entering the On–The-Job Learning Outline of the Work Process Schedule:***

*Competency-based Occupation: Please describe competencies required for the apprenticeship (left column and identify an appropriate means of testing and/or evaluating for such competencies (right column).*

Tech Support Specialists are responsible for analyzing, troubleshooting, and rectifying day-to-day technology problems and challenges. This role may support internal clients (employees within the company) or external customers either in-person, on the phone, or via webchat. The specialist may focus on helping individuals and businesses better use or troubleshoot the company’s own technical products, or the specialist may offer support to those using third-party hardware and software applications to do business. In the latter role, the Tech Support Specialist is the person one might call to troubleshoot one’s Wi-Fi router when the internet is down, obtain online permissions to access accounts or files, or to set up a new employee’s email and workstation. In short, Tech Support Specialists are the steady and calm go- to people for those of us who pull our hair out when something goes wrong with our computers.

**Work Process Schedule: Assessment:**

|  |  |
| --- | --- |
| **Part 1 Basic Hardware** |  |
| 1. Demonstrate knowledge of various mobile device types, their features, and purpose.  | **Completion of COMPTIA A+ 1101 Coursework** |
| 2. Demonstrate skills required to manage and troubleshoot computer hardware and peripheral devices.  |
| 3. Demonstrate knowledge of common computer hardware and interfaces.  |
| 4. Demonstrate skills required to troubleshoot general computer hardware issues and printer problems.  |
| 5. Demonstrate skills required to configure peripherals, printers, and related applications to support external hardware. |
| **Part 2 Basic Networking** |  |
| 6. Demonstrate knowledge of basic networking concepts (wired and wireless). | **Completion of COMPTIA A+ 1101 Coursework** |
| 7. Demonstrate skills required to configure and troubleshoot device connectivity (LAN and Internet Access). |
| **Part 3 Cloud and Virtualization Technologies** |  |
| 8. Demonstrate knowledge of cloud computing concepts, including cloud storage and security configurations |  |
| 9. Demonstrate skills required to configure client-side virtualization, cloud storage applications, and file synchronization features. |
| **Part 4 Operating System Basics** |  |
| 10. Demonstrate knowledge of important Microsoft Windows 10 operating system features and their purpose. | **Completion of COMPTIA A+ 1101 Coursework** |
| 11. Demonstrate skills required to install, configure, and secure Microsoft Windows 10 operating system versions. |
| 12. Demonstrate skills required to troubleshoot Microsoft Windows operating system problems. |
| 13. Demonstrate knowledge of important Mac OS and Linux OS desktop operating system features and their purpose.  |
| 14. Demonstrate skills required to configure, secure, and troubleshoot various operating systems Mac OS and Linux OS.  |
| 15. Demonstrate skills required to troubleshoot mobile operating systems. |
| **Part 5 IT Security Basics** |  |
| 16. Demonstrate knowledge of basic enterprise security concepts and wireless security protocols.  | **Completion of COMPTIA Security+ Coursework** |
| 17. Demonstrate skills required to perform account management, configure wireless security, and detect and remove malware on workstations and mobile devices.  |
| 18. Demonstrate skills to troubleshoot common computer security issues.  |
| 19. Demonstrate skills required to troubleshoot application security issues. |
| **Part 6 General IT Operations** |  |
| 20. Demonstrate knowledge of ticketing systems and documentation procedures.  | **Completion of ITIL 4 Foundation Coursework** |
| 21. Demonstrate knowledge of disaster recovery concepts and backup procedures. |
| 22. Demonstrate knowledge of licensing and privacy and policy concepts, including how to address prohibited content. |
| 23. Demonstrate knowledge of scripting languages, basic functions, and logic structures. |
| **Part 7 Business Acumen** |  |
| 24. Demonstrate a basic understanding of the employer’s corporate structure and business model, including its product and services portfolio, its primary customers, and its top competitors.  | **Evaluated by employer partner** |
| 25. Demonstrate a basic knowledge of the employer’s brand messaging, its value proposition in the marketplace, and key success metrics. |
| **Part 8 Employability Skills** |  |
| 26. Demonstrate skills to provide competent customer service using active listening and empathy during various interactions (e.g., in-person, over telephone, email, and chat).  | **Completion of ITIL 4 Foundation Coursework** |
| 27. Demonstrate ability to manage stress and other emotions in the workplace to reduce conflict, foster collaboration, and promote wellness.  |
| 28. Demonstrate skills required to take and give productive critical feedback.  |
| 29. Demonstrate skills required to problem-solve using critical thinking, clarifying questions, and knowing when to escalate a situation to a superior.  |
| 30. Demonstrate skills to explain complex issues to non-technical customers without jargon or blaming.  |
| 31. Demonstrate ability to conduct oneself with integrity, professionalism, and in accordance with organization policy and procedure.  |
| 32. Demonstrate skills to communicate with colleagues, managers, and end users effectively and clearly, in a timely manner.  |
| 33. Demonstrate ability to use language, tone of voice, and non-verbal communication to neutralize conflict in the workplace.  |
| 34. Demonstrate skills required to collaborate effectively with team members from across the organization.  |
| 35. Demonstrate ability to use respectful cross-cultural communication to work successfully across the organization and with diverse coworkers.  |
| 36. Demonstrate knowledge required to manage time effectively, minimizing distractions to maintain productivity, prioritize work appropriately, and meet deadlines with situational awareness.  |
| 37. Demonstrate ability to adapt to changing organizational landscape. |

**Appendix A**

**RELATED INSTRUCTION OUTLINE**

**Tech Support Specialist (Computer Support Specialist)**

O\*NET-SOC CODE: 15-1232.00 RAPIDS CODE: 2018CB

***Instructions for entering the Related Instruction Outline for all occupation approaches:***

*Please provide the Related Instruction Outline to include a list of the anticipated courses, the learning objectives, and the estimated number of hours that each course will last.*

**Related Instruction Descriptions: Approximate Hours:**

|  |  |
| --- | --- |
| **New Employee Skills** | **15** |
| • Safety training • Company orientation including privacy and confidentiality • Tools (internal messaging apps, office applications) • Sexual harassment prevention |  |
| **Business Acumen** | **3** |
| • Company vision, mission, and key success metrics • The company’s products and services and value proposition in the market |  |
| **Employability Skills** | **60** |
| • Managing conflict • Being an effective team member • Business communication etiquette • Interpersonal communication • Intercultural communication • Critical thinking • Time management • Workplace wellness and managing stress • Handling workplace change • Leading across generations and personalities • Understanding diversity, equity, and inclusion fundamentals |  |
| **Technical and Professional Skills – CompTIA A+ Coursework and Certification** | **220** |
| • Hardware – Identify, use, and connect hardware components and devices • Windows Operating System – Install and support Windows OS including command line and client support • Mobile Devices – Install and configure laptops and other mobile devices • Software Troubleshooting – Troubleshoot computer and mobile device issues including application security support • Networking – Explain types of networks and connections including TCP/IP, WIFI and SOHO • Other OS & technologies – Understand Mac OS, Linux and mobile OS• Hardware and Network Troubleshooting – Troubleshoot device and network issues • Security – Identify and protect against security vulnerabilities for devices and their network connections • Operational Procedures – Follow best practices for safety, environmental impacts, and communication and professionalism • CompTIA A+ CertMaster Learn, CompTIA Labs and CertMaster Practice (or similar courseware) • Pass CompTIA A+ exam |  |
| **Help Desk Ticketing** | **5** |
| • Ticketing systems and documentation best practices |  |
| **Customer Engagement Skills – IBM Professional Certificate** | **25** |
| (or similar customer service training) • Communication skills focused on clear concise communication and listening • Appropriate empathetic behavior such as such as patience, curiosity, and willingness to help • Problem solving to research an issue and help determine an appropriate resolution • Process adherence to ensure the proper flow and Service Level Agreements are met |  |

 **TOTAL MINIMUM HOURS** 328

**SELECTION PROCEDURES**

* 1. Each applicant will complete an open position application and submit all required documentation.
	2. Receipt of the properly completed application form along with required supporting documents (driver’s license, birth certificate, or other acceptable proof of age; copy of high school diploma, GED certificate, or other acceptable documentation of education) will constitute receipt of a completed application.
	3. Once a list of qualified applicants is received, the employer partner and their designated officials will interview each candidate and forward its recommendations to the Human Resources Manager.

* 1. Each applicant will be required to review the Apprenticeship Program Standards and will be provided information about the program.
	2. The Human Resources Manager and Department Manager will make the final selection based upon occupational requirements and needs of the company.
	3. Selected applicants must respond to the notice of selection within 48 hours of notice. If an applicant cannot be reached by telephone or e-mail, their name will be passed and notification of missed opportunity will be sent. If no response is received within 15 days, applicant will be dropped from ranking list.
	4. Upon selection to the registered apprenticeship program, selected applicants will be registered into the RAPIDS 2.0 system.