BULLETIN 2021-80 August 17, 2021

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| U.S. Department of LaborEmployment and Training Administration, Office of Apprenticeship (OA) Washington, D.C. 20210 | Distribution:A-541 HdqtrsA-544 All Field TechA-547 SD+RD+SAA+; Lab.Com | Subject: New Apprenticeable Occupations: Cloud Support Specialist, Hardware Hacker, and IT Systems AdministratorCode: 200.1  |
| Symbols: DRAP/KAJ | Action: Immediate |
| **PURPOSE:** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors, and other Registered Apprenticeship partners of the following new apprenticeable occupations: Cloud Support Specialist O\*NET-SOC CODE: 15-1231.00RAPIDS Code: 3020CBType of Training: Competency-basedHardware HackerO\*NET-SOC CODE: 15-1299.04RAPIDS Code: 3021CBType of Training: Competency-basedIT Systems AdministratorO\*Net-SOC CODE: 15-1244.00RAPIDS Code: 3022CBType of Training: Competency-based **BACKGROUND:** The occupations Cloud Support Specialist, Hardware Hacker, and IT Systems Administrator were submitted by Ms. Brandy Bowe, Program Manager on behalf of International Business Machines (IBM), for an apprenticeability determination. The OA Administrator approved these occupations on August 5, 2021.Cloud Support Specialists perform the following duties: * Manage customer account access and authenticate identity;
* Write basic scripts to facilitate configuration and updates to cloud accounts; and
* Create and configure hosting, storage, and computing accounts in cloud services.

Hardware Hackers perform the following duties: * Develop scripts, tools, hardware to perform security testing for internal and external networking penetration testing; and
* Perform hardware basics - identify chips and components; sensors; signal processing.

IT Systems Administrators perform the following duties: * Installing the operating system, building software components from source repositories; and
* Plan and configure mailbox and client access servers.

Cloud Support Specialist, Hardware Hacker, and IT Systems Administrator will be added to the List of Occupations Recognized as Apprenticeable by OA when the list is reissued. A suggested Work Process Schedule and Related Instruction Outline are attached.**ACTION:** OA staff should familiarize themselves with this bulletin and the attached Work Process Schedule and Related Instruction Outline, as a source for developing apprenticeship standards and/or providing technical assistance. If you have any questions please contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.**NOTE:** This bulletin is being sent via electronic mail.Attachments |