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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2023-02 |
| **DATE**  November 2, 2022 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

**FROM:** JOHN V. LADD /s/

Administrator, Office of Apprenticeship

**SUBJECT:** New Apprenticeable Occupation: Cyber Defense Analyst

1. **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 occupation: Cyber Defense Analyst
2. **Action Requested.** 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.

Cyber Defense Analyst will be added to the List of Occupations Recognized as Apprenticeable by OA located on www.apprenticeship.gov. A suggested Work Process Schedule and Related Instruction Outline are attached.

1. **Summary and Background.**
   1. Summary – The occupation Cyber Defense Analyst was submitted by Mr. Thomas P. Phillips, Director, on behalf of United Services Military Apprenticeship Program (USMAP), was processed by Ricky Godbolt and approved by the OA Administrator on September 27, 2022.
   2. Background –

***New/Revised Occupation Background -*** Under 29 CFR section 29.4, an occupation for a RAP must meet the following criteria to be determined apprenticeable:

1. Involve skills that are customarily learned in a practical way through a structured, systematic program of on-the job supervised learning:
2. Be clearly identified and commonly recognized throughout an industry;
3. Involve the progressive attainment of manual, mechanical, or technical skills and knowledge which, in accordance with the industry standard for the occupation, would require the completion of at least 2,000 hours of on-the-job learning to attain; and
4. Require related instruction to supplement the on-the job learning.
5. **New Apprenticeable Occupation.** The occupation Cyber Defense Analyst was submitted for an apprenticeability determination.

Cyber Defense Analyst

O\*NET-SOC CODE: 15-1212.00

RAPIDS CODE: 3041

Type of Training: Time-based

Cyber Defense Analyst perform the following duties:

* Characterize and analyze network traffic to identify anomalous activity and potential threats to network resources.
* Analyze and report organizational security posture trends.
* Analyze and report system security posture trends.
* Use cyber defense tools for continual monitoring and analysis of system activity to identify malicious activity.
* Determine tactics, techniques, and procedures (TTPs) for intrusion sets.
* Identify and analyze anomalies in network traffic using metadata (e.g., CENTAUR).
* Isolate and remove malware.
* Analyze data to identify or resolve security problems.
* Monitor external data sources (e.g., cyber defense vendor sites, Computer Emergency Response Teams, Security Focus) to maintain currency of cyber defense threat conditions and determine which security issues may have an impact on the enterprise.
* Assess and monitor cybersecurity related to system implementation and testing practices.
* Perform cyber defense trend analysis and reporting.

• **Inquiries.** If you have any questions, please contact Ricky C. Godbolt, Program Analyst, National Office of Apprenticeship at (202) 693-3815 or Godbolt.Ricky.C@dol.gov.

1. **Attachments.**

