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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2025-108 |
| **DATE**  June 16, 2025 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

**FROM:** MEGAN BAIRD /s/

Acting Administrator, Office of Apprenticeship

**SUBJECT:** Revised National Program Standards of Apprenticeship for International Business Machines Corporation (IBM)

1. **Purpose.** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors and other Registered Apprenticeship partners of the revised National Standards of Apprenticeship for International Business Machines Corporation (IBM).
2. **Action Requested.** This bulletin is being provided to OA staff for informational purposes only. The OA National Office will be responsible for maintenance and technical assistance regarding this program.
3. **Summary and Background.**
   1. Summary – These revised National Program Standards of Apprenticeship submitted by

Ms. Brandy Bowe, Program Manager on the behalf of International Business Machines Corporation (IBM), were processed by Kirk Jefferson approved by the OA Administrator on June 13, 2025.

* 1. Background –

***NPS Background -*** National Program Standards of Apprenticeship are programs that are registered by OA on a national basis and that consist of occupational standards which: (1) are developed and sponsored by an employer, national trade or industry organization, labor organization, educational institution, or consortium; (2) are demonstrably national or multi-State in their design, suitability, and scope based on consideration of the National Program Standards criteria (detailed below); and (3) comply with the regulatory requirements contained in 29 CFR Part 29 and 29 CFR Part 30.

1. **Revised Program Standards.**  These revised National Program Standards of Apprenticeship for the International Business Machines Corporation (IBM) for the following occupations will be serviced by OA National Office:

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| **Occupations** | | | |
| 1 | Application Developer on Z  (Existing Title: Application Developer)  O\*NET-SOC CODE: 15-1132.00  RAPIDS CODE: 1129CB  Type of Training: Competency-based | 18 | Mainframe Systems Administrator  (Existing Title: Information Technology Specialist)  O\*NET-SOC CODE: 15-1244.00  RAPIDS CODE: 1132CB  Type of Training: Competency-based |
| 2 | Application Developer Specialist  (Existing Title: Application Developer)  O\*NET-SOC CODE: 15-1252.00  RAPIDS CODE: 1129CB  Type of Training: Competency-based | 19 | Mainframe (Z) Systems Administrator Level 2  (Existing Title: Information Technology Specialist)  O\*NET-SOC CODE: 15-1244.00  RAPIDS CODE: 1132CB  Type of Training: Competency-based |
| 3 | Cloud Support  (Existing Title: Cloud Support Specialist  O\*NET-SOC CODE: 15-1231.00  RAPIDS CODE: 3020CB  Type of Training: Competency-based | 20 | Marketing Specialist  (Existing Title: Digital Marketer)  O\*NET-SOC CODE: 13-1161.01  RAPIDS CODE: 2077CB  Type of Training: Competency-based |
| 4 | Cybersecurity Analyst  (Existing Title: Cyber Security Support Technician)  O\*NET-SOC CODE: 15.1122.00  RAPIDS CODE: 2050CB  Type of Training: Competency-based | 21 | Network Administrator  (Existing Title: Network Support Technician)  O\*NET-SOC CODE: 15.1244.00  RAPIDS CODE: 1132CB  Type of Training: Competency-based |
| 5 | Data Scientist  O\*NET-SOC CODE: 15-2051.00  RAPIDS CODE: 2079CB  Type of Training: Competency-based | 22 | Offering Manager  (Existing Title: IT Project Manager)  O\*NET-SOC CODE: 15-1299.09  RAPIDS CODE: 1048CB  Type of Training: Competency-based |
| 6 | Hacker  (Existing Title: Hardware Hacker)  O\*NET-SOC CODE: 15-1299.04  RAPIDS CODE: 3021CB  Type of Training: Competency-based | 23 | Printed Circuit Board Layout Designer  O\*NET-SOC CODE: 17-3012.00  RAPIDS CODE: 3053CB  Type of Training: Competency-based |
| 7 | Hardware Design Technician  (Existing Title: Mechanical Engineering Technician)  O\*NET-SOC CODE: 17-3027.00  RAPIDS CODE: 0777CB  Type of Training: Competency-based | 24 | Software Engineer  (Existing Title: Application Developer)  O\*NET-SOC CODE: 15-1252.00  RAPIDS CODE: 1129CB  Type of Training: Competency-based |
| 8 | Industrial Designer  O\*NET-SOC CODE: 27-1021.00  RAPIDS CODE: 0016CB  Type of Training: Competency-based | 25 | Systems Support Technician  (Existing Title: Network Support Technician)  O\*NET-SOC CODE: 15-1232.00  RAPIDS CODE: 1132CB  Type of Training: Competency-based |
| 9 | Junior Associate Project Manager  (Existing Title: IT Project Manager)  O\*NET-SOC CODE: 15.1299.09  RAPIDS CODE: 1048CB  Type of Training: Competency-based | 26 | Talent Acquisition Coordinator  (Existing Title: IT Project Manager)  O\*NET-SOC CODE: 15.1299.09  RAPIDS CODE: 1048CB  Type of Training: Competency-based |
| 10 | Junior Data Analyst  (Existing: Database Technician)  O\*NET-SOC CODE: 15-1242.00  RAPIDS CODE: 1130CB  Type of Training: Competency-based | 27 | Talent Acquisition Partner  (Existing Title: IT Project Manager)  O\*NET-SOC CODE: 15.1299.09  RAPIDS CODE: 1048CB  Type of Training: Competency-based |
| 11 | IT Lab Technician – Materials & Packaging  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 28 | Technical Content Professional  O\*NET-SOC CODE: 27-3042.00  RAPIDS CODE: 3037CB  Type of Training: Competency-based |
| 12 | IT Lab Technician – Microelectronic Assembly  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 29 | Technical Solution Seller  (Existing Title: Technical Sales Specialist)  O\*NET-SOC CODE: 41-4011.00  RAPIDS CODE: 2087CB  Type of Training: Competency-based |
| 13 | IT Lab Technician – Optical Electronics Diagnostics  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 30 | Technical Solution Specialist  (Existing Title: Technical Sales Specialist)  O\*NET-SOC CODE: 41-4011.00  RAPIDS CODE: 2087CB  Type of Training: Competency-based |
| 14 | IT Lab Technician – Physical Failure Analysis  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 31 | User Design Researcher  (Existing Title: User Experience Designer)  O\*NET-SOC CODE: 15.1255.00  RAPIDS CODE: 2098CB  Type of Training: Competency-based |
| 15 | IT Lab Technician – Power Card System  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 32 | UX and Visual Designer  (Existing Title: User Experience Designer)  O\*NET-SOC CODE: 15.1255.00  RAPIDS CODE: 2098CB  Type of Training: Competency-based |
| 16 | IT Lab Technician – Product Safety  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 33 | Z Systems Support Technician  (Existing Title: Computer Support Specialist – Desktop Support Tech)  O\*NET-SOC CODE: 15-1232.00  RAPIDS CODE: 2018CB  Type of Training: Competency-based |
| 17 | IT Lab Technician – Thermal Systems  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based | 34 | IT Lab Technician - Z Systems Mainframe Verification Tester  (Existing Title: IT Lab Technician)  O\*NET-SOC CODE: 17-3023.00  RAPIDS CODE: 3011CB  Type of Training: Competency-based |

1. **Inquiries.** If you have any questions, please, contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.
2. **Attachments.** None.