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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2024-108 |
| **DATE**  July 17, 2024 |

**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: Microelectronics Technician

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: Microelectronics Technician
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.

Microelectronics Technician 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 Microelectronics Technician was submitted by Diana Adel, Apprenticeship Program Manager, on behalf of Princeton Plasma Physics Laboratory, were processed by Kirk Jefferson and approved by the OA Administrator on July 17, 2024.
   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 Microelectronics Technician was submitted for an apprenticeability determination.

Microelectronics Technician

O\*NET-SOC CODE: 17-3026.01

RAPIDS Code: 3079

Type of Training: Time-based, Hybrid, Competency-based

Term Length: Time-based 6000, Hybrid 4,000 – 6,000, Competency-based 3 Year

Microelectronics Technician perform the following duties:

* + Troubleshoot and repair Laboratory instrumentation (i.e. meters, gauges, scopes, etc.);
  + Cleanroom Cleaning Procedures: Review cleaning schedule to maintain the cleanliness of surfaces, equipment, and discuss approved cleaning agents and methods to minimize particle generation; and
  + Cleans, Install, operate, and troubleshoot electronic controls of laboratory and experimental systems.

1. **Inquiries.** If you have any questions, please, contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.
2. **Attachments.**

