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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2024-26 |
| **DATE**  January 16, 2024 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

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

Administrator, Office of Apprenticeship

**SUBJECT:** Revised Apprenticeable Occupation: Optics Manufacturing 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 revised apprenticeable occupation: Optics Manufacturing 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.

Optics Manufacturing 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 Optics Manufacturing Technician was submitted by Rosario Micali, National Work-Based Learning Coordinator, on behalf of Optical Systems Technology, were processed by Kirk Jefferson and approved by the OA Administrator on October 11, 2023.
   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. **Revised Apprenticeable Occupation.** The occupation Optics Manufacturing Technician was submitted for an apprenticeability determination.

Optics Manufacturing Technician

O\*NET-SOC CODE: 17-3029.08

RAPIDS Code: 2045

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

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

(Note: This occupation is currently approved at 2000 hours. After consulting with the industry on their review, we are recommending changing our TB to 6000 hours and HY to 4000-6000 hours. This may affect current registered programs.)

Optics Manufacturing Technician perform the following duties:

* Assemble components of energy-efficient optical communications systems involving photonic switches, optical backplanes, or optoelectronic interfaces; and
* Adjust or maintain equipment, such as lasers, laser systems, microscopes, oscilloscopes, pulse generators, power meters, beam analyzers, or energy measurement devices.

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

