Optics Manufacturing Technician Apprenticeships provide pathways to rewarding careers in companies critically important to our economic growth and national defense.

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Is your company experiencing a shortage of technicians? Are you looking for a skilled technical workforce to support your growth? You may be able to strengthen and retain your technical workforce through an Optics Manufacturing Technician apprenticeship program.

Benefits to Employers:
- A more stable workforce
- Improved attendance and job satisfaction
- Reduced turnover
- Increased productivity
- Improved quality

Benefits to Apprentices:
- Paid employment
- Long-term career opportunities
- Progressive wage scale
- Gain workplace relevant skills
- Receive industry credential
- Earn academic credit

**Optics Manufacturing Technician (OMT) Apprenticeships**

**Registered Apprenticeships**

A registered apprenticeship is a structured earn and learn program that requires both on-the-job learning and related technical instruction. Employers who decide to register their apprenticeship may be eligible for state and federal grant funding and tax credits.

**Steps to Develop an OMT Apprenticeship**

1. **Determine Company’s Critical Work Functions for the On-the-Job Learning**
2. **Identify Related Technical Instruction Aligned to the Work Functions**
3. **Submit Application**
4. **Receive Approval**
5. **Select and Register Apprentices**
6. **Start Apprenticeship**

**Typical Work Processes**

- Identify, inspect, and qualify materials for manufacturing optical components
- Participate in the planning and verification of optical fabrication processes
- Shape and finish bulk materials to generate optical components
- Operate, maintain, and calibrate optics manufacturing and testing equipment
- Conduct optical metrology measurements and inspections for in-process work and final distribution
- Assemble optical components and systems
- Apply anti-reflective coatings to optical components

**Related Technical Instruction**

- Introduction to Optics
- Quantitative Skills in Optics
- Optical Instruments and Testing
- Geometric (Ray) Optics
- Optical Fabrication and Metrology
- Advanced Optical Fabrication and Metrology
- Wave Optics and Applications