

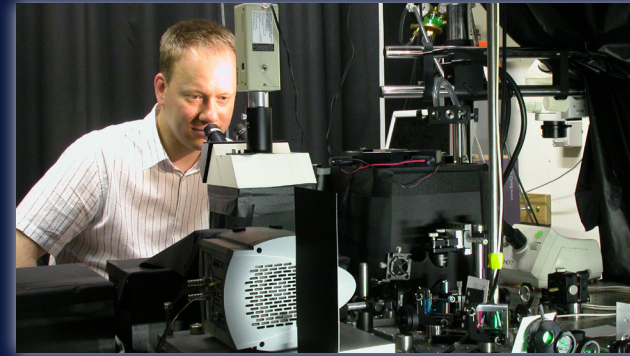
# MARINES

## Military Occupational Specialties

Experience in these military occupational specialties make a good fit for a career in photonics.

Tactical Air Operations Module/Air Defense Technician  
Artillery Electronics Technician  
Calibration Technician  
Electronic Switching Equipment Technician  
Electronics Maintenance Technician  
Metrology Technician  
Satellite Communications (Satcom) Technician  
Electro-Optical Ordnance Repairer  
Main Battle Tank (Mbt) Repairer/Technician  
Advanced Aircraft Communications/Navigation Systems Technician, Ima  
Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, Ima  
Aircraft Communications Systems Technician, Ima  
Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, Ima  
Aircraft Electrical/Instrument/Flight Control Systems Technician, Helicopter, Ima  
Aircraft Electronic Countermeasures Systems Technician, Fixed-Wing, Ima  
Aircraft Electronic Countermeasures Systems Technician, Helicopter, Ima  
Aircraft Navigation Systems Technician, Iff/Radar/Tacan, Ima  
Aviation Electronic Microminiature/Instrument And Cable Repair Technician, Ima  
Aviation Meteorological Equipment Technician, Oma/Ima  
Aviation Precision Measurement Equipment/Calibration And Repair Technician, Ima  
Avionics Test Set (Ats) Technician, Ima

Contact Carolyn Hulla-Meyer, Recruitment & Outreach Specialist for EMET Program  
(513)569-5769  
carolyn.hulla-meyer@cincinnatiastate.edu  
www.cincinnatiastate.edu



Aircraft Communications/Navigation Systems Technician, Kc-130  
Aircraft Communications/Navigation/Electrical Systems Technician, Ch-46  
Aircraft Communications/Navigation/Electrical Systems Technician, Ch-53  
Aircraft Communications/Navigation/Electrical/Systems Technician, V-22  
Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, U/Ah-1  
Aircraft Communications/Navigation/Radar Systems Technician Av-8  
Aircraft Communications/Navigation/Radar Systems Technician Ea-6  
Aircraft Communications/Navigation/Radar Systems Technician F/A-18  
Aircraft Electrical Systems Technician, Av-8  
Aircraft Electrical Systems Technician, Ea-6  
Aircraft Electrical Systems Technician, F/A-18  
Aircraft Electrical Systems Technician, Kc-130  
Aircraft Electronic Countermeasures Systems Technician, Ea-6b  
Avionics Maintenance Chief  
Unmanned Aerial System (Uas) Avionics Technician  
Engineer Equipment Electrical Systems Technician

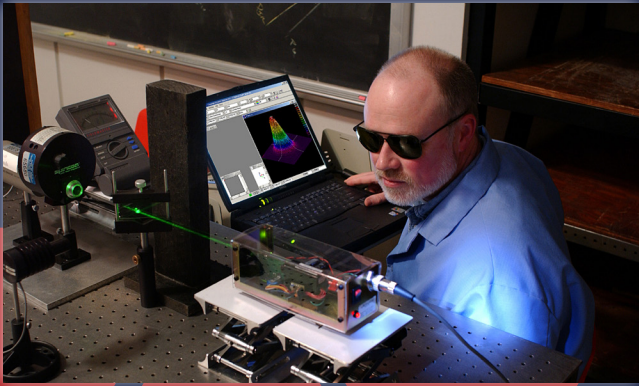
# MARINES VETERANS

Advance Your Military Training with a Degree and 21st Century Career in Photonics!

Cincinnati  
State







## What is Photonics?

Photonics involves cutting-edge uses of lasers, optics, fiber-optics and electro-optical devices in numerous and diverse fields of technology.

## Why is Photonics Important?

Lasers and other light beams are the “preferred carriers” of energy and information for many applications.

The applications of photonics as an “enabling” technology are extremely broad. From an educational standpoint, this means that the infusion of one or two photonics courses into two-year postsecondary programs in related technologies can qualify graduates for a far wider variety of jobs and increase the global competitiveness of the American workforce.



## Photonics Industry Needs Trained Professionals

The industry is experiencing increasing growth in all sectors, and the demand for well-educated technicians has risen faster than supply to fill those positions.

# \$47,000

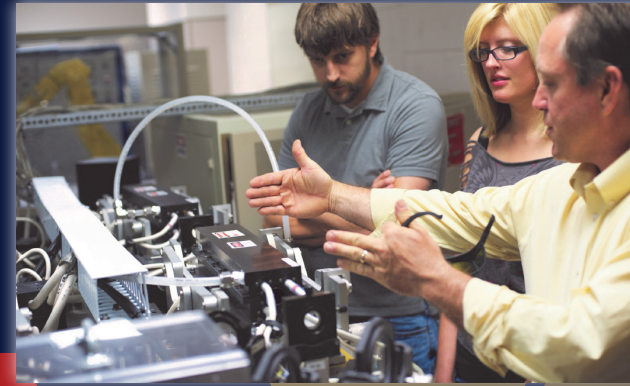
## National Average Starting Salary for Photonics Technicians 2015

A two-year college degree is necessary for a photonics technician to be successful

Trained professionals in the photonics field are needed in numerous photonics-enabled fields, such as:

Aerospace Technology  
Healthcare & Biomedicine  
Research & Development  
Advanced Manufacturing  
Defense & Security  
and more!

Panels outlined in white can be customized by colleges.  
Contact OP-TEC for more information at [www.op-tec.org](http://www.op-tec.org).



## Electro-Mechanical Engineering Technology

The Electro-Mechanical Engineering Technology (EMET) program at Cincinnati State Technical and Community College is the largest of its kind in Ohio. The program combines electronics engineering technology and mechanical engineering technology, so students develop skills that are highly valued by industrial firms, including a focus on industrial automation. Students gain skills in controlling systems, linking software and hardware maintaining systems, and improving machines and systems.

## What you can do with the EMET - Laser Major Associate Degree

- Operate, setup, and test computer controlled laser equipment
- Design programs for laser systems
- Perform research experiments
- Troubleshoot and repair laser systems
- Work with optical systems including lasers and lens systems



## Representative Co-Op Employers

- Argonne National Laboratory
- Armco Research and Technology
- Fortec Medical
- General Electric
- Psion Teklogix

## Regional Salary Data & Projections\*

- Typical graduate starting salary: \$28,000-\$38,000 annually
- Median income for Cincinnati/Middletown: \$63,100
- Median income for Ohio: \$54,800

## How to Get Started

Contact Carolyn Hulla-Meyer, EMET Recruitment & Outreach Specialist:  
(513)569-5769

## For Veterans Student Affairs Assistance

Call to speak with the Office of Veterans Affairs on Campus: (513)569-4958

\*Based on 2013 data collected by the Bureau of Labor Statistics Occupational Employment Statistics Program, regarding Electro-Mechanical Technicians, <http://www.onetonline.org>.