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 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
- Aviation Test Set (Ats) Technician, Ima
- 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 Electronic Countermeasures Systems Technician, Av-8
- Aircraft Electronic Countermeasures Systems Technician, Ea-6
- Aircraft Electronic Countermeasures Systems Technician, Kc-130
- Aircraft Electronic Countermeasures Systems Technician, F/A-18
- Aircraft Electronic Countermeasures Systems Technician, Ea-6b
- Avionics Maintenance Chief
- Unmanned Aerial System (Uas) Avionics Technician
- Engineer Equipment Electrical Systems Technician

Contact Carolyn Hulla-Meyer, Recruitment & Outreach Specialist for EMET Program
(513)569-5769
carolyn.hulla-meyer@cincinnatistate.edu
www.cincinnatistate.edu
Panels outlined in white can be customized by colleges. Contact OP-TEC for more information at www.op-tec.org.

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.

What is Photonics?

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

 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!

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

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

Regional Salary Data & Projections*

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