

LASER AND PHOTONICS TECHNOLOGY

ABOUT THIS PROGRAM

The Laser & Photonics Technology (LPT) program teaches students how to control light and electrical energy to prepare them for careers in photonics and electronics engineering technology. These high-tech, high-paying career tracks include the research, design, manufacture, sale, and field service of products, like in the rapid-growing field of lasers. Jobs include working on engineering teams to build, test and troubleshoot designs in areas like laser weapon systems, medical instruments, detection equipment, laser fusion energy sources, fiber telecommunications, and industrial laser systems. Acquired LPT technical knowledge and problem-solving skills create valuable graduates for these fields.



POSSIBLE JOB TITLES:

- Optical Technician
- Optical/Laser Optics Research Technician
- Electronics Technician
- Laser and Optics Repair Technician
- Field Service Technician

MEDIAN SALARY:

\$65,260 annually (Electrical and Electronics Engineering Technician)

BUREAU OF LABOR STATISTICS CLUSTER WEBSITE:

bls.gov/ooh/architecture-and-engineering/home.htm

JOB PLACEMENT OF RECENT GRADUATES OF THIS PROGRAM:

- Lawrence Livermore National Laboratory
- Cree
- Phononic

SKILLS/APTITUDES NEEDED FOR PROGRAM:

- Basic Algebra Skills
- Attention to Detail
- Critical and Independent Thinking



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DEGREE(S)

Associate in Applied Science in Laser and Photonics Technology (A40280; Harnett Main Campus - day; Lee Main Campus - First Semester Only) – five semesters (summer included)

DIPLOMA(S)

None

CERTIFICATE(S)

Certificate in Electronics Engineering Technology (C40200; Lee Main Campus - Day, Harnett Main Campus - Day) - three semesters (Summer included)

TRANSFER OPTIONS

Yes – East Carolina University and University of North Carolina – Charlotte (Contact the program lead below to discuss transfer options further.)

ADDITIONAL COSTS OF PROGRAM

Electronics Toolkit (\$25 – \$50)

STATE LICENSURE/EXAMS/INDUSTRY CERTIFICATIONS

None

ADDITIONAL ADMISSIONS PROCESS

None

CONTACTS

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