ELECTRICAL ENGINEERING (ENGINEERING)

Graduate Program Head: Madhavan Swaminathan
Program Code: EE
Campus(es): University Park (Ph.D., M.S.)
Degrees Conferred: Doctor of Philosophy (Ph.D.), Master of Science (M.S.), Dual-Title Ph.D. and M.S. in Electrical Engineering and Operations Research

The Graduate Faculty: View [link](https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=EE)

The general areas of graduate research in Electrical Engineering are electromagnetics and optics; electronics and photonics; communications, computers, networking, and signal processing; and control and power systems. Specializations available within these areas include:

- microwaves, antennas, and propagation;
- electro-optics and nonlinear optics;
- remote sensing and space systems;
- materials and devices;
- circuits and networks;
- VLSI;
- communications;
- networking;
- signal and image processing;
- computer vision and pattern recognition;
- control systems; and
- power systems.