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 (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.