### ELECTRICAL ENGINEERING (ENGINEERING)

<table>
<thead>
<tr>
<th>Graduate Program Head</th>
<th>Kultegin Aydin</th>
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<tbody>
<tr>
<td>Program Code</td>
<td>EE</td>
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<tr>
<td>Campus(es)</td>
<td>University Park (Ph.D., M.S.)</td>
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</tbody>
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| 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.