Degree Requirements

Master of Science (M.S.)
Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (https://gradschool.psu.edu/graduate-education-policies/)

1. Thesis option—a total of 32 credits (at least 18 at the 500-and 600-level combined) including:
   a. 24 credits in course work, with at least 12 credits in courses with the EE designation;
   b. 2 colloquium credits (EE 500);
   c. 6 thesis credits (EE 600 or EE 610);
   d. and a thesis accepted by the advisers and/or committee members, the head of the graduate program, and the Graduate School;

2. Paper option—a total of 32 credits (at least 18 at the 500-level) including:
   a. 27 credits in course work, with at least 14 credits in courses with the EE designation;
   b. 2 colloquium credits (EE 500);
   c. 3 paper credits (EE 594);
   d. and a satisfactory scholarly paper.

Doctor of Philosophy (Ph.D.)
Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (https://gradschool.psu.edu/graduate-education-policies/)

The communication requirement is met by adequacy in both spoken and written English. This is accomplished through testing and remedial course requirements. All doctoral students must pass a qualifying examination, a comprehensive examination, and a final oral examination. To earn the Ph.D. degree, doctoral students must also write a dissertation that is accepted by the Ph.D. committee, the head of the graduate program, and the Graduate School. The qualifying examination consists of both written and oral parts; the oral comprehensive examination is preceded by the writing of a dissertation proposal. The program requires a minimum of 39 course credits and 2 colloquium credits (EE 500) beyond the B.S. degree.