PROFESSIONAL MASTER’S IN SUSTAINABLE ELECTRICAL ENERGY

This master’s degree is targeted to working engineers in the electrical energy and power industry. The Professional Master’s in Sustainable Electrical Energy (PMSEE) program is structured to bring in students in specific cohorts. The degree features six required courses, including a culminating capstone project course, and four elective courses taken by all students in a given cohort and chosen from a selection of ten or more elective courses. Courses are organized in a sequential manner to cover in a comprehensive way the engineering content and industry emerging technologies in sustainable electrical energy. The required core for the PMSEE includes courses on power system operation and control, conventional generation, renewable energy sources, power systems economics, power system planning and reliability, and a capstone project course. Elective courses are chosen from subjects such as power system protection, power electronics, wind energy, smart grids, high voltage engineering, computational intelligence in power, solar energy, nuclear engineering and reactor engineering, fuel cell systems, and energy engineering economics and risk management.