I. Vision and Mission Statements

Relevant portions of the vision and mission statements for the School of Electrical Engineering and Computer Science are as follows.

Educational Mission: Educate graduates for professional leadership, civic influence, and lifelong learning. Provide an education based on a theoretical, experimental, and ethical foundation enhanced by the opportunity for participation in an internship.

Outreach Mission: Transfer up to date information to students and through them to communities, the nation, and the world to increase economic equity, quality of life, and ecological sustainability.

Objectives
In keeping with the School’s overall vision and mission, the graduate program has the following objectives:

1. Attract, admit, and enroll students of the highest quality.
2. Provide a quality education in Electrical Power Engineering and Relevant Management Topics at the Master’s level
3. Place graduating students in academic or industrial positions in relevant technical fields.

II. Membership
Criteria for Graduate Faculty Membership in the Professional Science Masters in Electrical Power Engineering (PSMEPE) Graduate Program:

A. Graduate Faculty in the PSMEPE program must have a PhD degree and be WSU tenured faculty, tenure track faculty, non-tenure track faculty, or adjunct faculty. WSU non-tenure track faculty, or WSU adjunct faculty, are subject to the limitations and definitions in this document. Approval of PSMEPE tenure/tenure track faculty is required for non-tenure track and adjunct faculty. All PSMEPE Faculty must be on the Graduate Faculty List, listed in Section IX of this document or subsequently approved as Graduate Faculty through the process outlined. Approved tenured and tenure track Graduate Faculty at all regional campuses may participate equally in the PSMEPE program as supporting site faculty with full program rights and
responsibilities. As such they are entitled to act as chair, co-chair, or member of graduate student committees; teach graduate courses; supervise internships; and act as a program director or committee member.

1. Disciplinary Expertise
   PSMEPE Graduate Faculty are expected to have a PhD or equivalent doctoral-level degree in a field related to the Professional Science Masters in Electric Power Engineering. In addition, they must have demonstrated disciplinary expertise in a field related to Electric Power Engineering, interest and experience in mentoring and teaching of graduate students in this field, and relevant professional accomplishments.

2. Voting Rights
   All active members of the PSMEPE Faculty are eligible to vote.

3. Non-Tenure Track Graduate Faculty
   a. Internal to WSU
      Non-tenure Track Faculty internal to WSU include research, clinical, and affiliate faculty. These faculty may function in the same roles as WSU tenured and tenure-track faculty. The non-tenure track faculty internal to WSU (research, clinical, affiliate faculty) may be active PSMEPE faculty and entitled to act as co-chair or member of graduate student committees; teach graduate courses; and supervise internships. When serving as co-chair of a student committee they must work with a tenured or tenure-track faculty member who is also an active member of the PSMEPE Graduate Faculty.

   b. External to WSU
      Professionals who are not WSU faculty may be granted Graduate Faculty participation within the PSMEPE program if they are first officially approved as adjunct faculty for WSU. Adjunct faculty who are approved as active PSMEPE Graduate Faculty are entitled to act as a member of graduate student committees; teach graduate courses; and supervise internships. They may also serve as student committee co-chair. When serving as co-chair of a student committee they must work with a tenured or tenure-track faculty member who is also an active member of the PSMEPE Graduate Faculty.

5. External Individual Committee Members
   There are two categories of individual committee members--those individuals within WSU who are already graduate faculty in their respective programs, and those individuals who are outside WSU. Both categories would require approval by the PSMEPE faculty, but only those who are external to WSU would require the Dean of the Graduate School’s approval. The committee chair for that student
should forward the name of the desired committee member with a curriculum vitae to the PSMEPE director. With approval of the PSMEPE faculty, the nomination is then forwarded to the Dean of the Graduate School for final approval.

B. Application for Membership as a Member of Graduate Faculty

1. Initial PSMEPE Graduate Faculty are listed in Section IX of this document and have been approved by PSMEPE Graduate faculty, Chair of EECS and Dean of the Graduate School.

2. Candidates for PSMEPE Graduate Faculty participation within EECS should be nominated by an existing PSMEPE Graduate Faculty member or may self-nominate. The nomination should include a letter of nomination, and curriculum vitae for the nominee. The PSMEPE Program Director will circulate application materials to all active PSMEPE Graduate Faculty prior to voting. Acceptance as PSMEPE Graduate Faculty requires a positive vote from a majority of faculty who respond to the vote.

3. In addition to a commitment to maintain the highest standards of mentoring for graduate students, anticipated contributions or qualifications for all successful Graduate Faculty applicants include one or more of the following:

   a. History of or willingness to participate as appropriate in administrative, teaching, and other functions of the PSMEPE graduate program. This may include teaching courses in the PSMEPE program or serving on the PSMEPE student committees.

   b. History of publication of peer-reviewed manuscripts in a discipline related to the PSMEPE

C. Continuation of Active Membership

1. Graduate Faculty appointments to the PSMEPE program will remain active as long as the faculty member is in good standing as a member of the EECS Graduate Faculty.

2. Faculty who are no longer in good standing as members of the EECS graduate faculty will be designated as inactive Graduate Faculty. Inactive Graduate Faculty do not have voting rights.

D. Discontinuation of Membership

The PSMEPE Director can discontinue an individual Graduate Faculty Membership based on the faculty member’s failure to satisfy the activity requirements in section II.C. If that individual’s activity should change, they may reapply for Graduate Faculty participation at any time.
E. Membership Appeal Process

Faculty appeal of any membership decision in PSMEPE must be made in writing to the PSMEPE Director within 30 calendar days of the decision. The appeal is decided by a majority vote of all PSMEPE Graduate Faculty (see Section VII for definition of quorum). Final written appeal may be made to the Dean of the Graduate School within 30 calendar days of the PSMEPE Graduate Faculty vote.

III. Administration

Administration of the Professional Science Masters in Electric Power Engineering Electrical Engineering and Computer Science Graduate Program and its activities is vested in the Director of the PSMEPE Program with advice from the PSMEPE Graduate Faculty.

IV. PSMEPE Graduate Faculty

A. The Director of the PSMEPE Program will be appointed or removed by the EECS Director.

B. Duties of the PSMEPE Faculty include, but are not limited to:
   1. Provide overall academic leadership for PSMEPE Program.
   2. Develop and implement policies for the PSMEPE Program.
   3. Oversee complete graduate admission process.
   4. Oversee all necessary examinations for PSMEPE graduate students
   5. Approval of Internships
   6. Make decisions regarding PSMEPE Program exceptions to Policies
   7. Be responsible for coordinating all PSMEPE administrative matters within the Graduate School.
   8. Manage the budgets of PSMEPE Program.
   9. Submit course and curriculum changes and approval forms.
   10. Submit Bylaw changes and approval forms.
   11. Be responsible for the accuracy of all graduate publications related to the PSMEPE program including web pages and catalog copy.
   12. Coordinate semester evaluations for all PSMEPE graduate students, including Exit Interviews.
   13. Collect Alumni Tracking Data
   14. Managing and addressing student issues and problems of PSMEPE Grad Students

V. Graduate Student Committees

C. The initial selection, or subsequent changes, of a graduate student’s committee shall be determined jointly by the student and the student’s advisor. In accordance with the Policies and Procedures of the Graduate School at WSU, graduate students are not permitted to serve on the committees of other graduate
students. The graduate committee of each student shall have a minimum of three members. Graduate School policy requires that a minimum of one member of a Master’s committee be both tenured/tenure track and graduate faculty status in program.

D. As specified in the Graduate School’s Policies and Procedures, the performance of each graduate student shall be reviewed annually.

VI. Graduate Faculty Meetings

A. The Director of the PSMEPE program shall call PSMEPE Graduate Faculty meetings as needed but at least once per academic year. All attempts will be made to provide a written agenda in advance.

B. Other meetings may be called at the discretion of the PSMEPE Director.

C. A special meeting of PSMEPE Graduate Faculty may be called by petition of 3 or more Graduate Faculty members.

D. Efforts will be made to communicate items of interest, including notification of a faculty meeting, to the faculty via e-mail. General PSMEPE Graduate Faculty Meetings shall be called with a minimum of 1 week’s notice.

E. Faculty not present on the Pullman campus at the time of a general PSMEPE Graduate Faculty Meeting may participate by telephone conference call or other electronic means.

VII. Quorum

Unless specified otherwise, a quorum for purposes of voting and other decision making is defined as the majority of active PSMEPE Graduate Faculty;

A. For all general graduate faculty meetings and votes unless otherwise indicated, a quorum shall be defined as a minimum of 50 percent of the Program membership.

B. For programmatic committees to conduct a business meeting, a quorum shall be defined as a minimum of 50 percent of the committee membership.

C. Unless otherwise indicated, a simple majority of the total number of ballots cast are required to pass a motion.

D. In the event of a tie vote in which the entire graduate faculty is eligible to vote, the Program Director will decide the outcome of the vote. For tie votes that occur within programmatic committees, the committee chair will decide the outcome of the vote.

VIII. Amendments to Program Bylaws
A. The Program Bylaws document shall be reviewed every fifth year by the PSMEPE faculty.

B. Amendments to the Bylaws may originate from the PSMEPE faculty Committee. Proposed amendments must be forwarded to the PSMEPE Director. After discussion, amendments shall be forwarded to the PSMEPE faculty electronically at least 2 weeks prior to the faculty meeting at which the amendments will be discussed. After discussion, a minimum 2 week period will follow the faculty meeting prior to vote. Votes on amendments may occur at a faculty meeting or electronically. Amendments to the PSMEPE Program Bylaws require a positive vote from the majority of all active PSMEPE Graduate Faculty.

C. All amendments and revisions must be submitted to the PSMEPE Director and Faculty Senate for review and final approval.

IX. List of Initial Graduate Faculty Participants

List of initial PSMEPE Graduate Faculty Participants:

**Professional Science Masters in Electrical Power Engineering, Graduate Faculty**

**Dave Bakken, PhD, Tenured**  
Present Position: Professor, School of Electrical Engineering and Computer Science  
Research Areas: Fault Tolerant computing, Distributed Quality of Service, Distributed Object Middleware, Distributed Computing

**Anjan Bose, PhD, Tenured**  
Present Position: Regents Professor and WSU Eminent Professor School of Electrical Engineering and Computer Science.  
Research Areas: Energy and Power Systems

**Anamika Dubey, PhD, Tenure Track**  
Present Position: Assistant Professor, School of Electrical Engineering and Computer Science  
Research Areas: Power distribution systems operations and planning, Integration of distributed energy resources.

**Adam Hahn, PhD, Tenure Track**  
Present Position: Assistant Professor, School of Electrical Engineering and Computer Science  
Research Areas: Cyber Physical Systems/Security

**Carl Hauser, PhD, Non-Tenure Track**  
Present Position: Clinical Associate Professor, School of Electrical Engineering and Computer Science, Research Areas: Programming Language Design and Implementation, Power Grid Communication Systems Networking, Distributed Computing, Concurrent Programming
Chen-Ching Liu, PhD, Tenured  
Boeing Distinguished Professor of Electrical Engineering. Director, Energy Systems and Innovation Center (ESIC)  
Research Areas: Information collection, delivery, and analysis, Integration of renewable energy resources, Decision support, public policy, human behaviors, and economics, Efficiency on the demand side (buildings), Efficient use of right-of-way and associated economic issues, Cyber security of the smart grid.

Saeed Lotfifard, PhD, Tenure Track  
Present Position: Assistant Professor, School of Electrical Engineering and Computer Science  
Research Area: Power Systems, Power systems protection and monitoring

Ali Mehrizi-Sani, PhD, Tenure Track  
Present Position: Assistant Professor in Electrical Engineering and Computer Science  
Research Area: Integration of renewable energy resources in the power system; Power electronics interfaces for distributed generation; Control and management of microgrids and smart grid; Power system applications of power electronics

Robert Olsen, PhD, Tenured  
Present Position: Boeing Distinguished Professor of Electrical Engineering, School of Electrical Engineering and Computer Science  

Patrick Pedrow, PhD, Tenured  
Present Position: Associate Professor, School of Electrical Engineering and Computer Science  
Research Areas: Plasma Engineering, High-Voltage Engineering, Electrophysics

Sandip Roy, PhD, Tenured  
Present Position: Associate Professor, School of Electrical Engineering and Computer Science  

Noel Schulz, PhD, Tenured  
Present Position: Professor, School of Electrical Engineering and Computer Science  
Research Areas: power system planning, operations and protection; Smart Grid; Microgrids including rural electrification; Women and Multicultural students in engineering

Anurag K. Srivastava, PhD, Tenured  
Present Position: Associate Professor, School of Electrical Engineering and Computer Science.  
Research Areas: Develop power system operation and control algorithms utilizing smart grid data and real time validation of these developed algorithms

Mani Venkatasubramanian, PhD, Tenured  
Present Position: Professor, School of Electrical Engineering and Computer Science.

The PSMEPE Director is responsible for submitting an updated list of active and inactive PSMEPE Graduate Faculty participants to the Dean of the Graduate School for approval annually.