Electrical and Computer Engineering at Oklahoma State University plans to develop an outstanding, well-balanced faculty in instruction, scholarship and outreach.

Strategies for Instruction
- Mentoring of newly hired faculty.
- Incorporate innovative educational techniques that promote problem-solving skills in the classroom and laboratories.
- Continual assessment and improvement of degree programs.
- Insure that students are properly advised at all levels.

Metrics for Instruction
- Competitiveness of graduates in securing employment.
- Admissions to graduate programs.
- Outcome of ABET accreditation reviews.
- Graduation rates and associated GPA.

Strategies for Scholarship
- Formation of focused research areas and strategic hiring of faculty in those areas that complement and enhance current capabilities.
- Mentoring of newly hired faculty.
- Promote faculty visitation and exchange opportunities.
- Encourage faculty summer programs.
- Increase extramural funding through appropriate, focused research proposals.

Metrics for Scholarship
- Quantity and impact of scholarly output of faculty in terms of published papers in journals and peer reviewed conferences, text books, and patent disclosures using metrics such the h-index.
- Level of extramural funding to levels relative to peer institutions.
- Overall progress of younger faculty.

Strategies for Outreach
- Aggressively publicize faculty and student successes.
- Develop research and instructional programs with external partners.
- Solicit potential naming contributions through most prominent graduates.
- Host professional meetings and conferences at regional up to international levels.
- Encourage faculty service to professional societies.
- Encourage formation and participation in student chapters of professional societies.
- Actively promote individuals (faculty, staff and students) for recognition and awards.
- Encourage visits and exchanges with peers and colleagues.

Metrics for Outreach
Count all successes: compare growth of endowment to previous years and peer institutions, and track number of invited papers, fellowships and professional services.
Industry Goal: Serve the needs of area industry.

Strategies for Industry Goal
- Strategic hires in areas of Energy and Power Technologies.
- Further develop interdisciplinary work with MAE in unmanned autonomous systems.
- Involve local industry in Senior Design Laboratory courses.
- Incorporate feedback from School and College Board of Visitors.

Metrics for Industry Goal
- Number of graduates hired by local industry.
- Project support and endowments from industry.
- Involvement with local industry development groups such as OCAST.

Programs Goal: Improve national and international reputation of undergraduate and graduate degree programs.

Strategies for Industry Goal
- Increase number of Ph.D.s awarded.
- Add graduate degree programs (M.S. and Ph.D.) in Computer Engineering.
- Encourage graduate students to actively publish results in scientific journals and conferences.
- Develop international collaboration in research and instruction.
- Encourage study abroad.
- Assist students applying for fellowship and internship programs.

Metrics for Industry Goal
- Number of graduate degrees awarded
- Number of graduates who take faculty, government laboratory, or research industry positions.
- Number of international scholars participating with ECE.
- Number of students entering graduate programs at other institutions.
- Number of students participating in international 2+2 university programs.
- Ranking of programs in publications such as US News.
**STUDENTS GOAL:** Recruit and admit the most qualified students.

**Strategies for Students Goal**
- Participate fully in college and university recruitment efforts.
- Provide adequate financial support to highly qualified students (scholarships, RA, TA).
- Identify funding for Ph.D. fellowships.
- Draw qualified students through the freshman research scholar program and other programs.
- Recruit nationally for top Ph.D. students.
- Outreach to high schools through programs such as ECE Design Day and OSU Up-Close.

**Metrics for Students Goal**
- Graduation rates of students who enter program.
- GPA, GRE scores of students who complete program.
- Placement of graduates in industry or at graduate programs.
- Publication record of graduate students.

**FACULTY GOAL:** Develop ECE at OSU-Tulsa into a nationally competitive program.

**Strategies for Students Goal**
- Strategic hires in areas of emphasis at OSU-Tulsa.
- Appointment of an Associate/Assistant Head for Tulsa campus.
- Active recruiting of outstanding students in the Tulsa area.
- Coordination of advanced degree programs with Tulsa area industry.
- Increase availability of OSU-Tulsa course to non-traditional students.

**Metrics for Students Goal**
- Enrollment levels at OSU-Tulsa.
- GPA and graduation rates relative to Stillwater campus and peer institutions.
- Extramural funding of ECE-Tulsa faculty.
- Visibility of program relative to Stillwater campus and other institutions in OSU, State and national educational publications as well as popular press.
- Total number of graduate degrees awarded.