

ACADEMIC SERVICE

Dr. Lopez has been Chair of the Department of Physics and Associate Dean of the College of Science of the University of Texas at El Paso. He was responsible for reconstructing the Physics Department hiring 11 new faculty in a short period of time (2001-2005), played key roles in establishing bridge positions with national labs, increasing substantially the number of Hispanic and female faculty, and diversifying the Department into new research areas such as astronomy and medical physics, among other achievements.

SYNERGISTIC ACTIVITIES

- Reconstruction of the Physics Department, from 2001 to 2005, hiring 11 new faculty in several areas.
- Support of the creation of the interdisciplinary Ph.D. program in Computational Science with the Department of Mathematical Sciences and several other departments from the College of Engineering.
- Creator of the Distance-Learning MS program with UT Brownsville to support an MS program in Brownsville.
- Increased Hispanic faculty in the Physics Department from three to six during his Chairmanship.
- Increased female faculty in the Physics Department from one to four during his Chairmanship.
- Played essential role in obtaining bridge positions supported at 50% from The Jefferson National Lab and McDonald Observatory both at The University of Texas at El Paso and at New Mexico State University.
- Played essential role in obtaining a new minority faculty position from the University administrators.
- Help enlarge the service to education majors from, approximately, 100 students per semester to 400.
- Established physical science labs in 8 elementary schools in El Paso to teach education majors.
- Obtained funds to initiate growth in the area of Health/Medical physics.
- Increased graduate enrollment through targeted recruitment techniques.
- Brought renowned scientists to campus, including Nobel Prize winners, Leon Lederman and Murray Gell-Mann.
- Organized the Fall meeting of the Texas Section of the American Physical Society to El Paso in 1998 and supported bringing it again in 2008.

ADMINISTRATIVE POSITIONS

- Chair, Physics Department, University of Texas at El Paso, 2001 to 2008.
- Assistant Dean, College of Science, University of Texas at El Paso, 1999 to 2001, in charge of:
 - Academic Programs
 - MS in Interdisciplinary Studies
 - Tenure and promotion
 - College course curricula
 - Undergraduate Curriculum Committee
 - Web development
 - College Advisory Board
 - College course catalog
 - Recruitment and Admissions
 - Faculty search committees
 - Whatever else was needed.

DEPARTMENTAL SERVICE

- Graduate Advisor, Physics Department, 2001 to 2007.
- Coordinator, Masters in Science in Interdisciplinary Studies, 2000 to 2001.
- Coordinator, Distance-Learning M.S. Physics Program with UT Brownsville, 1998-2002.
- Physics Liaison, NASA Network Resource and Training Sites grant. 1995-1997.
- Organizer, Physics Summer Research Program, with 16 participants, 1995.
- Advisor, Society of Physics Students, 1993-1997
- Participant, AMP Summer Bridge Program, Summer 1995.
- Search Committee for CEBAF position, 1995 to 1997.
- Advisor of UTEP's Society of Physics Students, 1993-1995.
- Representative of the Physics Department to the Library, 1993-1995.

UNIVERSITY COMMITTEES

- Teaching Effectiveness Committee, 2010-2013.
- Search Committee Computational Science Faculty Position, College of Science, 2008 –2009.
- Credit Transfer Workgroup, "Building International Higher Education on the U.S.-Mexico Border", 04-05.
- Tenure and Promotion Committee, College of Science, 2004-2006
- Tenure and Promotion Committee, Coll. of Ed., 2004.
- Office of International Programs, 1999.
- Search Committee for Chair of Physics Dept., 1999.
- VPRSP Search Advisory Committee, 1997 to 1998.
- UTEP Legacy Campaign, 1997.
- Faculty Senate Research Committee, 1996- 1999.
- Provost/VPAA Search Advisory Committee, 95-96
- College Science Freshman Orientation Comm, 1995.
- Self-Study Physics Committee, 1995.
- Health Professions Advisory Committee, 1995.
- Self-Study Advisory Committee, 1994-1996.
- Faculty Senate Library Committee, 1994 to 1995.
- Search Committee, Health Physics position, 94-95.
- Local Organizing Committee, 1995 SACNAS Conf.
- SACS Advisory Committee, 1994-1995.
 - SACS Library Committee, 1994-1995.
 - UTEP Self-Study Steering Committee, 94-96.
 - Self-Study Library & Learning Resources, 94-96.
- 1995 SACNAS Conference, Local Organizing Committee.
- Model Institution of Excellence: Coordinating Group, 1994-1995, Advisory Committee, 94-95, Physics Committee, 1994, Task Force 6.
- "Solar Trek", College of Science, 1994.
- Faculty Senate Library Committee, 1993 - 1995.
- Search Committee for NMSU's Nuclear Physics position, for the Physics Department of New Mexico State University and CEBAF, 1995.
- Member of search Committee for Nuclear Physics position, for the Physics Department of New Mexico State Univ. and CEBAF, 1994.
- Member, Local Organizing Committee of the Second SC-Cosmic Student Conference on Computational Sciences and Engineering, funded by NSF's Center for research on Parallel Computation, El Paso, 11/25-27, 1996.
- Participant, "Block II Perceptions from the Field Experiment at Marian Manor Elementary School", UTEP's PETE program, El Paso, TX, 11/10/2000.
- Participant, Science Education and Scientific Literacy Conference, Office of Science and technology Policy. UTEP, May 4, 1995.