Texas Higher Education Coordinating Board
Technology Workforce Development Grant Program – 2003

Project Selection Process

The selection process includes the following eight steps:

STEP 1: The chair of the Coordinating Board appointed the Technology Workforce Development (TWD) Grants Program Advisory Committee. This panel consists of nine distinguished representatives of industry and academic members of the Texas Engineering and Technical Consortium (TETC). The TWD advisory committee oversaw creation of the guidelines for the proposals and advised a 60 to 40 proportion between funding of electrical engineering and computer science according to industry donor participation.

STEP 2: The Texas Higher Education Coordinating Board approved these guidelines after public discussion at its meeting on April 24, 2003.

STEP 3: The Coordinating Board solicited proposals from eligible Texas computer science and electrical engineering departments and received 29 proposals.

STEP 4: Two review panels comprised of out-of-state experts of academic affairs and in-state industry technology leaders involved with workforce development discussed the proposals in a full day review meeting. The panels divided the proposals into quality categories "Fund 1," "Fund 2," and "Do Not Fund."

STEP 5: TETC estimated a minimum funding for FY 2003-04 of $2,400,000 (with State match) and a more optimistic estimate of over $5,000,000.

STEP 6: The TWD Grants Program Advisory Committee recommended funding all proposals categorized as Fund 1 and Fund 2, with Fund 1 proposals receiving 60 percent and Fund 2 proposals 40 percent of the $2,400,000 minimum funding available.

STEP 7: Coordinating Board staff realized after the meeting that this recommendation will result in partial funding of computer science proposals of 25 percent for Fund 1 and less than 18 percent for Fund 2 proposals. Staff recommended funding only Fund 1 computer science proposals, at 42 percent of budgets recommended by the review panels.

STEP 8: The Coordinating Board, at its meeting on October 30, 2003, approved the TWD Advisory Committee's recommendation for electrical engineering awards and the staff's recommendation for computer science awards.

Technology Workforce Development Grant Advisory Committee

(Membership list as of October 30, 2003)

Mr. Torrence H. Robinson (Chair) – Public Affairs Director, Texas Instruments, Dallas, TX
Dr. Moonis Ali – Chairman and Professor of Computer Science, Texas State University - San Marcos
Mr. Ray Almgren – Vice President, National Instruments, Austin, TX
Dr. C. S. Burrus – Dean of Engineering, Rice University
Dr. Bill D. Carroll – Dean, College of Engineering, The University of Texas at Arlington
Mr. Tom H. Dickey – Director and General Manager, Intel Corporation, Austin, TX
Ms. Sue Snyder – Government Affairs Director, AMD, Austin, TX
Dr. Ben Streetman – Dean, College of Engineering, The University of Texas at Austin
Dr. Valerie E. Taylor – Department Head and Stewart & Stevenson Professor, Department of Computer Science, Texas A&M University

2003 Review Panel Members

Dr. Christine M. Cunningham – Director, The Center for Engineering Educational Outreach, School of Engineering, Tufts University
Dr. Ian Greenshields – Associate Dean for Academic Affairs, School of Engineering, University of Connecticut
Dr. Sam Hughes – Independent Consultant, Business Process Development, Implementation, and Project Management, Austin, TX
Dr. Sandra K. Johnson – Senior Technical Staff Member, Linux Technology Center, IBM, Austin, TX
Ms. Marie Silverthorn – Manager (retired), Software Technology, Texas Instruments, Dallas, TX
Dr. Douglas B. Williams – Associate Chair for Academic Affairs, Department of Electrical & Computer Engineering, Georgia Institute of Technology

Technology Workforce Development Grant Proposals: 2003

Awards

Pending sufficient funding in the TWD account with the Texas Comptroller of Public Accounts

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Computer Sciences Fund Category 1

1. ***The University of Texas at Austin*** **$447,990**
Recruiting and Retaining Computer Science Students

2. ***Texas Engineering Experiment Station*** **$173,158**
Increasing Computer Science Retention with Peer Teachers and Learning Modules

3. ***Texas A&M University - Corpus Christi*** **$235,817**
More Attention for Retention and Recruitment

4. ***Texas Tech University*** **$35,930**
Integrated, Seamless, Education System to Recruit and Retain Students

5. ***The University of Texas - Pan American*** **$67,105**
Increasing Computer Science Graduates and Enrollment through Learning Communities and Outreach

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Electrical Engineering Fund Category 1

1. ***Texas A&M University – Kingsville*** **$50,325**
Expansion of Electrical Engineering Program at TAMUK with Scholarships and Tutoring

2. ***The University of Texas - Pan American*** **$104,518**
Electrical Engineering Recruitment and Retention through On-Campus Jobs and Summer Scholarships

3. ***The University of Texas at El Paso*** **$139,767**
Creating Learning Communities at UTEP to Increase Throughput

4. ***Texas Tech University*** **$255,562**
Electrical Engineering Recruitment and Retention at Texas Tech

5. ***Texas Engineering Experiment Station*** **$313,828**
Improving the Quality, Quantity, and Diversity of Electrical and Computer Engineering Graduates

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Electrical Engineering Fund Category 2

6. ***Prairie View A&M University*** **$52,449**
Increasing the Quantity and Diversity of Students Pursuing Degrees in Electrical and Computer Engineering

7. ***The University of Texas at San Antonio*** **$69,000**
Recruiting and Retaining Electrical Engineering Students Using Programmable Logic Devices

8. ***Southern Methodist University*** **$31,248**
SHinE: Strengthening Hispanics in Engineering

9. ***The University of Texas at Arlington*** **$91,803**
Recruitment and Retention to Increase the Number of Undergraduate Students in the Electrical Engineering Program

10. ***University of Houston (Main)*** **$331,449**
Undergraduate Retention and Recruiting of Electrical and Computer Engineering Students at the University of Houston