Recruitment and Retention of Under-Represented Students

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Introduction

State of California Population

Data source: Department of Finance, State of California www.dof.ca.gov

October 15, 1999
Butte County Population

Data source: Department of Finance, State of California, www.dof.ca.gov

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Hispanic</th>
<th>Asian/Pacific Islander</th>
<th>African American</th>
<th>Native American</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>86%</td>
<td>8%</td>
<td>3%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>1997</td>
<td>85%</td>
<td>8%</td>
<td>4%</td>
<td>1%</td>
<td>2%</td>
</tr>
</tbody>
</table>

CSU, Chico Student Population

Data source: CSU-Chico, Office of Institutional Research, www.safari.csuchico.edu

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Hispanic</th>
<th>Asian/Pacific Islander</th>
<th>African American</th>
<th>Native American</th>
<th>Other/Undeclared</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>74%</td>
<td>9%</td>
<td>2%</td>
<td>2%</td>
<td>9%</td>
<td>2%</td>
</tr>
<tr>
<td>1997</td>
<td>68%</td>
<td>15%</td>
<td>2%</td>
<td>4%</td>
<td>9%</td>
<td>15%</td>
</tr>
</tbody>
</table>
Introduction, continued

CSU, Chico Student (Declared) Population
Data source: CSU-Chico, Office of Institutional Research, www.safari.csuchico.edu

Addressing the Problem

- Under-representation
  - significantly worse in our discipline
  - national concern

- CSU, Chico Special Programs
  - MESA
  - AMP

- What seems to be needed?
  - A more diverse, multi-cultural community
Project Goals and Objectives

- **Goals**
  - increased enrollment
  - increased retention

- **Objectives**
  - increased enrollment in CS, CIS, MS, ECT
  - increased graduation rate in CS, CIS, MS, ECT

- **General Approach**
  - create awareness and increased sensitivity
  - provide inspiration, encouragement, assistance, network

Approach/Methodology

**Activities Proposed**
- Distinguished Speaker Series
- Recruitment of Target Groups
- Devoted Web Page
- Computer Lending Program
- Scholarship Program
- Graduate Research Funds
- Student Travel Activities
- Local Internships and Cooperative Placements
**Budget**

<table>
<thead>
<tr>
<th>Item</th>
<th>Estimated Annual Need</th>
<th>Anticipated Matching Funds</th>
<th>Amount Being Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speakers</td>
<td>$18,000</td>
<td>$6,000</td>
<td>$12,000</td>
</tr>
<tr>
<td>Recruitment – off-site presentations/orientation</td>
<td>$5,000</td>
<td>$2,500</td>
<td>$2,500</td>
</tr>
<tr>
<td>Web page development &amp; maintenance</td>
<td>$3,200</td>
<td>$1,600</td>
<td>$1,600</td>
</tr>
<tr>
<td>Computer Lending</td>
<td>$10,000</td>
<td>$8,000</td>
<td>$2,000</td>
</tr>
<tr>
<td>Private Scholarship Fund</td>
<td>$5,000</td>
<td>—</td>
<td>$5,000</td>
</tr>
<tr>
<td>Funding for Graduate Research Projects</td>
<td>$6,400</td>
<td>—</td>
<td>$6,400</td>
</tr>
<tr>
<td>Student Travel Stipends</td>
<td>$2,400</td>
<td>—</td>
<td>$2,400</td>
</tr>
<tr>
<td>Local internships (coop. matching funds)</td>
<td>$6,400</td>
<td>$3,200</td>
<td>$3,200</td>
</tr>
<tr>
<td>Faculty Summer Stipend (program coordination and orientation)</td>
<td>$20,000</td>
<td>$5,000</td>
<td>$15,000</td>
</tr>
<tr>
<td>Faculty Fall Stipend (recruitment and project management)</td>
<td>$20,000</td>
<td>$5,000</td>
<td>$15,000</td>
</tr>
<tr>
<td>Faculty Spring Stipend (project management &amp; planning)</td>
<td>$10,000</td>
<td>$5,000</td>
<td>$5,000</td>
</tr>
<tr>
<td>Subtotal (2 year duration)</td>
<td>$106,400</td>
<td>$36,200</td>
<td>$70,200</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$212,800</td>
<td>$72,600</td>
<td>$140,200</td>
</tr>
</tbody>
</table>

**Benefits and Results**

- Exposure to positive role models
  - benefits minority and non-minority students
  - community
- Direct benefits from academic and research opportunities and resources
- Nurtures relationships between minority students and the community
- Promotes the University and the community as actively pursuing diversity
Project Director, Staff

- **Benjoe A. Juliano, Ph.D., Assistant Professor**
  - Florida State University, 1993
  - Fuzzy Logic; AI; Power Systems grant
- **Patty Ratliff, Ph.D., Assistant Professor**
  - University of California, Berkeley, 1987
  - Unix Systems; Nat’l Hispanic University
- **Reneé S. Renner, Ph.D., Assistant Professor**
  - Florida State University, 1999
  - Neural Networks; AI; GSCAR; BGC
- **Clarke Steinback, Ph.D., Assistant Professor**
  - University of California, Santa Cruz, 1999
  - Graphics; Undergraduate Advisor; Assistive Technology