**Student Feedback**

PREP students applied responses of agree or disagree to the following statements. The percentage of students that agree is indicated.

- **“PREP was an intellectual challenge for me”** 83%
- **“The curriculum reinforced my mathematical skills”** 92%
- **“The program increased my knowledge of math-based professions”** 87%
- **“PREP improved my problem-solving skills”** 88%
- **“I consider myself a better student now (after completing PREP)”** 86%
- **“I have a better understanding of what is required of college students”** 89%

The PREP family of faculty, staff, and students offer the sincerest thanks to our sponsors and benefactors for sharing a commitment to our mission. Your assistance and support have enabled the program to make a difference in the lives of children in our community by preparing them to become the STEM leaders of tomorrow.

**Gifts to PREP**

Gifts to PREP allow the program to continue to provide a quality STEM education for our students. If you choose to contribute a gift, you may designate its use, such as establishing a college scholarship for a deserving PREP student, providing tuition support for low-income students, funding a field trip, or you could allow PREP to apply your gift in a manner that meets our greatest need. Your contribution is tax-deductible to the extent permitted by law.

Contact our office by email at contact@prep-usa.org, by phone at 210-458-2060, or visit our website at www.prep-usa.org for more information.
PREP is a national program with an emphasis on increasing the number of women and minorities in STEM fields. Program Overview

Mission: The San Antonio Prefreshman Engineering Program (PREP) provides a challenging academic program designed to motivate and prepare middle and high school students for success in advanced studies leading to careers in STEM. PREP is a national program with an emphasis on increasing the number of women and minorities in STEM fields.

Vision: The vision of PREP is to be the K-12 extended education program of choice for successfully preparing students for careers in STEM fields through innovative educational and technology-enabled approaches that empower students to become lifelong learners, problem solvers and decision makers.

Goals: The goals of the program are to increase the number of competent prepared students from Texas who will ultimately pursue STEM postsecondary studies and careers by: acquiring these students with professional opportunities in STEM; reinforcing the academic preparation of these students at the secondary school level; and creating an environment in which talented students are encouraged to learn, explore, achieve, and discover.

History: The Prefreshman Engineering Program was founded in 1979 by mathematics professor, Dr. Manuel P. Berriozábal, at the University of Texas at San Antonio. Replication of San Antonio PREP began in 1986 with sites throughout the state of Texas (TexPREP). In 1997, with a grant award from NASA, PREP continued its replication to Hispanic-Serving Institutions nationwide (PREP-USA). Since 1983, the Texas Education Agency has authorized participating school districts to award one unit of Career and Technical Education (CTE) innovative course credit towards high school graduation for the successful completion of each summer of PREP.

Academic Program: The PREP program is a mathematics-based, seven-week long program that is offered to students in grades seven through eleven, over the course of four years during the summer months. Not only does the PREP program offer students a challenging and rewarding experience that keeps them academically engaged, but it also offers many students a structured and safe place to be during out of school time. The curriculum for the program is below, by year, and offers students a challenging and rewarding experience that keeps them academically engaged. Not only does the PREP program offer students a structured and safe place to be during out of school time. The curriculum for the program is below, by year, and offers many students a challenging and rewarding experience that keeps them academically engaged.

Message from the Executive Director

Raul (Rudy) A. Reyna, Ph.D.
Executive Director, PREP
UTSA, The Institute for P-20 Initiatives

The University of Texas at San Antonio – Central Office

UTSA - Main Campus - PREP I & IV

Director: Melissa Pena
Office Manager: Jenevie Riojas
Faculty: Sylvia Alarcon, Amanda Avila, Calvin Dai, Belinda Arroyo, Emily Lopez, Andrew Schuetze, Sarah Trotta
Program Assistants: Ricardo Lopez, Tristan Pace, Ernesto Sanchez (PA), Richard Springer, Vandana Verma, Javier Valenzuela, Randall White (Head PA)

Northeast Lakeview College - PREP I & II

Director: Raul C. Estrada
Office Manager: Gloria Schuetze
Faculty: Martha Avila, Calvin Dai, Belinda Arroyo, Emily Lopez, Andrew Schuetze, Sarah Trotta
Program Assistants: Ricardo Lopez, Tristan Pace, Ernesto Sanchez (PA), Richard Springer, Vandana Verma, Javier Valenzuela, Randall White (Head PA)

Our Lady of the Lake University - PREP II

Director: Antonio Perez
Office Manager: Sabrina Zartuche
Faculty: Clarence Irimes, Taylor Lyons, John Pavlovsky, PE
Program Assistants: Amanda Garcia, Gideon Lui, Ryo Rokke (Head PA), Colin Thornton

Texas A&M University San Antonio - PREP II

Director: Pamela Mathey
Office Manager: Karen Truelove
Faculty: Andrea Chapa, Philip Gutierrez, Nicole Hernandez, Diane Obaya, Alvaro Ramirez
Program Assistants: Matthew Coleman, Chas Coleto (Head PA), Paula Englebert, Lorenzo Robouin, Blanch Rodriguez, Jonathan Sucochee, Roy Truelove

San Antonio College PREP II

Director: Kenneth Messentner
Office Manager: Lilliana Padilla Lopez
Faculty: Lesley Buntin, Jaime Escobar, Richard Guerra, Kenneth Kuchera, Bernardo Leal, Brandon Potts, Jovontiano Quintana, Priscilla Silva
Program Assistants: Alexander Eroche, Alejandro Felix, Allison Garcia, Kimberly Garza, Rhyann Gonzalez, Jereniz Rojas, Pete Ortega (Head PA), Jenevie Riojas, Celeste Torrez

St. Mary's University PREP III

Director: Ozgur Altinok, Ph.D.
Office Manager: Adam R. Lopez
Faculty: Gurkan Bekar, Oscar Castaneda, Stella Bopp, Maria Diaz, Mark Didau, Albert Falkenberg, Michael Hughes, Fritz Norman, Tommy Perez, Johnny Silva, Juan Silva, David Yocca
Program Assistants: Austin Valencia Bihler, Ralph Cruz, Eduardo Gonzalez, Eliza Almeida-Trigo, Diana Mata, Jose M. M. Matos Montesino, Andrew Nguyen, Ashley Ortiz, Juan Perez, Ruby Perez Galindo, Jose Torres, Ashley Trevino, Juan Valenzuela
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Financial Report (Estimate)*

**Financial Contributions:**

- $1,105,895

**In-Kind Contributions:**

- $213,085

**Total Financial & In-Kind Support Received:**

- $1,318,980

---

PROGRAM COST SUMMARY

<table>
<thead>
<tr>
<th>Total Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>$1,318,980</td>
<td>$1,105,895</td>
<td>$213,085</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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</tbody>
</table>

---

Partners & Investors

Support from local, state, and national public and private sectors, including public universities/colleges, school districts, and individual contributors are an invaluable resource for PREP’s success. The partnerships created between individuals, organizations, and industries provide our participants with essential goods and services and career-related experiences, as well as free lunch and VA bus pass services for eligible students. UPREP receives financial assistance from UTSA through an arrangement of auxiliary fees waived. With the support of local business, UPREP offers students a reduced tuition. In addition, eligible need-based students may have their tuition waived pending the availability of funds.

Program Impact

**Since 1979, 19,106 middle school and high school students have successfully completed at least one summer component of San Antonio PREP.** Of these students:

- **78%** are minorities
- **54%** are female
- **37%** are economically disadvantaged

2016 PREP Student Achievement

- **2,088** students applied to PREP program; (1,976 accepted; 1,564 began)
- **1,429** students completed the PREP program successfully

Program Graduates

- **603** PREP I Graduates
- **428** PREP II Graduates
- **286** PREP III Graduates
- **112** PREP IV Graduates

- **161** graduates recognized with averages of 98 or better
- **106** honors scholars (averages between 98.00 and 98.99)
- **55** outstanding scholars (averages of 99.00 or higher)

---

In-Kind Contributors

- Advanced Robotics at UTSA
- Alamo Area Council of Governments (AACOG)
- ARAMARK (St. Mary’s University)
- ARAMARK (UTSA)
- City of San Antonio Department of Parks and Recreation
- DJ Mayhern
- Escozia, Inc.
- Halmack University
- Melissa Cigano - SoGirls CONNECT
- Northeast Lakeview College
- Northside Independent School District
- NorthWest Vista College
- Our Lady of the Lake University
- Palo Alto College
- PRO Photography
- Radiospace
- San Antonio College
- St. Mary’s University
- St. Philip’s College-Southwest Campus
- Texas A&M University-San Antonio
- Texas Department of Transportation
- The Alamo Colleges
- UTSA Collegiate G-Force Student Mentoring Program
- UTSA Downtown Campus
- UTSA Main Campus
- UTSA Physics & Astronomy Department
- UTSA Engineering Department
- VIA Metropolitan Transit

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**Program Graduates**

- **54%** College Attendees graduate from college

---

**College-Age Students attended or graduated from college**

- **88%**

---

4-year IHE*** Graduates

- **72%**

---

4-year IHE*** Graduates (engineering, math, science/computer science)

- **44%**

---

54% College-Age Students attend or graduate from Texas colleges

---

Program Graduates

- **77%** Minorities
- **53%** Female
- **34%** Economically Disadvantaged

---

Graduates Recognized with Averages of 98 or Better

- **50** PREP I Students
- **57** PREP II Students
- **45** PREP III Students
- **9** PREP IV Students

---

Honors Scholars (Averages between 98.00 and 98.99)

- **106**

---

Outstanding Scholars (Averages of 99.00 or Higher)

- **55**

---

*Source: Data derived from the National Student Clearinghouse, and student follow-up surveys (last updated 2013).

---

**Evaluation of 11,485 college-age former students reveals**:

- **78%**

---

4-year IHE*** Graduates (underrepresented minority groups)

- **72%**

---

4-year IHE*** Graduates (engineering, math, science/computer science)

- **47%**

---

*minorities

---

College-Age Students attended or graduated from Texas colleges

- **90%**

---

4-year IHE*** Graduates (engineering, math, science/computer science)

- **47%**

---

*minorities

---

*Source: Data derived from the Texas Higher Education Coordinating Board, National Student Clearinghouse, and student follow-up surveys (last updated 2013).

---

**54%**

---

**55%**

---

**161**

---

**106**

---

**55**

---

**50 PREP I Students**

---

**57 PREP II Students**

---

**45 PREP III Students**

---

**9 PREP IV Students**

---

**66%**

---

**72%**

---

**54%**

---

**50** PREP I Students

---

**57** PREP II Students

---

**45** PREP III Students

---

**9** PREP IV Students

---

**161**

---

**106**

---

**55**

---

"IHE = Institute of Higher Education"
HACEMOS (Hispanic Association of AT&T Employees)

Scholarships Offered

<table>
<thead>
<tr>
<th>Award Amount</th>
<th>Description / Eligibility</th>
<th># Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000 awarded to Gabriela Gonzalez</td>
<td>Offered to a PREP III student</td>
<td>1</td>
</tr>
</tbody>
</table>

Our Lady of the Lake University

The University of Texas at San Antonio

San Antonio College

The University of Texas at San Antonio

Our Lady of the Lake University also offered three levels of scholarships to their Year 2 students.

University PREP (UPREP):

Since inception in 2006, UPREP has served over 443 students (86% minorities, 42% female in 2016). In 2016, 59 students successfully completed one of eight available UTSA STEM courses: Algebra-Scientists & Engineers, Bio-sciences I, General Chemistry I, Calculus I, Foundations of Analysis, Introduction to Computer Programming I, Algebra-Based Physics or Pre-calculus.

In addition, students also participated in student development workshops, volunteer opportunities, internships, and university research projects including:

Research / Internships

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEED Internship at Southwest Research Institute</td>
<td>Two (2) current students awarded and one (1) former student awarded</td>
</tr>
<tr>
<td>CPS SAFE Internship Program</td>
<td>Two (2) students awarded internships</td>
</tr>
<tr>
<td>Family Services Association Youth Internship Program</td>
<td>Two (2) students awarded internships</td>
</tr>
<tr>
<td>UTSA College of Science – PhD UPREP Program</td>
<td>Three (3) students awarded stipends</td>
</tr>
</tbody>
</table>

District Representation & Retention Rate

<table>
<thead>
<tr>
<th>District</th>
<th>Started</th>
<th>Graduated</th>
<th>% Retention Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medina Valley ISD</td>
<td>3</td>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>Natalia ISD</td>
<td>11</td>
<td>8</td>
<td>73</td>
</tr>
<tr>
<td>North East ISD</td>
<td>15</td>
<td>15</td>
<td>100</td>
</tr>
<tr>
<td>Northside ISD</td>
<td>330</td>
<td>300</td>
<td>91</td>
</tr>
<tr>
<td>Other Out of Town Districts</td>
<td>4</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>Poteet ISD</td>
<td>1</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td>Randolph ISD</td>
<td>3</td>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>San Antonio ISD</td>
<td>216</td>
<td>197</td>
<td>91</td>
</tr>
<tr>
<td>Southside ISD</td>
<td>11</td>
<td>11</td>
<td>100</td>
</tr>
<tr>
<td>Southwest ISD</td>
<td>53</td>
<td>53</td>
<td>100</td>
</tr>
<tr>
<td>Schertz-Cibolo-Universal City ISD</td>
<td>52</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Southside ISD</td>
<td>10</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>1564</td>
<td>1429</td>
<td>92</td>
</tr>
</tbody>
</table>

2016 Demographic Info

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Female:</th>
<th>Male:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic</td>
<td>548/466</td>
<td>96</td>
</tr>
<tr>
<td>Asian</td>
<td>200/103</td>
<td>15</td>
</tr>
<tr>
<td>Anglo</td>
<td>63/84</td>
<td>147</td>
</tr>
<tr>
<td>Native American</td>
<td>6/9</td>
<td>15</td>
</tr>
<tr>
<td>Other</td>
<td>45/32</td>
<td>77</td>
</tr>
<tr>
<td>Unknown</td>
<td>10/5</td>
<td>15</td>
</tr>
<tr>
<td>Grand Total</td>
<td>818/746</td>
<td>1564</td>
</tr>
</tbody>
</table>
Scholarships Offered

### HACEMOS (Hispanic Association of AT&T Employees)

<table>
<thead>
<tr>
<th>Award Amount</th>
<th>Description / Eligibility</th>
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<tr>
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<td>1</td>
</tr>
</tbody>
</table>

### Our Lady of the Lake University

<table>
<thead>
<tr>
<th>Award Amount</th>
<th>Description / Eligibility</th>
<th># Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>$18,000/year for four years ($72K total) if majoring in engineering, the award is for five years ($91K total)</td>
<td>PREP III students achieving a 99.00 and above grade average</td>
<td>1</td>
</tr>
<tr>
<td>$15,000/year for four years ($60K total) if majoring in engineering, the award is for five years ($75K total)</td>
<td>PREP II students achieving a 98.00-98.99 grade average</td>
<td>21</td>
</tr>
<tr>
<td>$5,000/year for four years ($20K total) if majoring in engineering, the award is for five years ($25K total)</td>
<td>PREP II students achieving an 96.00-97.99 grade average</td>
<td>132</td>
</tr>
<tr>
<td>$4,000/year for four years ($16K total)</td>
<td>All PREP IV and UPREP students</td>
<td>180</td>
</tr>
</tbody>
</table>

### San Antonio College

<table>
<thead>
<tr>
<th>Award Amount</th>
<th>Description / Eligibility</th>
<th># Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,000/year for two years ($4K total)</td>
<td>PREP III students; first-come, first-served</td>
<td>5</td>
</tr>
</tbody>
</table>

### St. Mary’s University

<table>
<thead>
<tr>
<th>Award Amount</th>
<th>Description / Eligibility</th>
<th># Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,500/year for four years ($10K total)</td>
<td>PREP III students achieving an 90.00-97.99 grade average</td>
<td>132</td>
</tr>
</tbody>
</table>

Our Lady of the Lake University also offered three levels of scholarships to their Year 2 students.

### University Prep (UPREP)

**Research / Internships**

- **University Prep (UPREP):**
  - Since inception in 2006, UPREP has served over 443 students (86% minorities, 42% female in 2016). In 2016, 59 students successfully completed one of eight available UTSA STEM courses: Algebra-Scientists & Engineers, Bio-Sciences I, General Chemistry I, Calculus I, Foundations of Analysis, Introduction to Computer Programming I, Algebra-Based Physics or Pre-calculus.
  - In addition, students also participated in student development workshops, volunteer opportunities, internships, and university research projects including:

### District Representation & Retention Rate

<table>
<thead>
<tr>
<th>District</th>
<th>Started</th>
<th>Graduated</th>
<th>% Retention Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alonso Heights ISD</td>
<td>3</td>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>Archdiocese of San Antonio</td>
<td>121</td>
<td>113</td>
<td>94</td>
</tr>
<tr>
<td>Berenice ISD</td>
<td>117</td>
<td>104</td>
<td>90</td>
</tr>
<tr>
<td>Central Catholic ISD</td>
<td>44</td>
<td>38</td>
<td>86</td>
</tr>
<tr>
<td>Connally ISD</td>
<td>45</td>
<td>41</td>
<td>91</td>
</tr>
<tr>
<td>East Central ISD</td>
<td>39</td>
<td>36</td>
<td>92</td>
</tr>
<tr>
<td>Floresville ISD</td>
<td>4</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>Fort Sam Houston ISD</td>
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<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Franklin ISD</td>
<td>16</td>
<td>14</td>
<td>88</td>
</tr>
<tr>
<td>Home School</td>
<td>7</td>
<td>7</td>
<td>100</td>
</tr>
<tr>
<td>Judson ISD</td>
<td>1</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td>La Vernia ISD</td>
<td>1</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td>Lackland ISD</td>
<td>27</td>
<td>27</td>
<td>100</td>
</tr>
<tr>
<td>O'Connor ISD</td>
<td>36</td>
<td>34</td>
<td>94</td>
</tr>
<tr>
<td>South San Antonio ISD</td>
<td>177</td>
<td>169</td>
<td>96</td>
</tr>
<tr>
<td>Southside ISD</td>
<td>10</td>
<td>9</td>
<td>90</td>
</tr>
<tr>
<td>Southwest ISD</td>
<td>29</td>
<td>27</td>
<td>93</td>
</tr>
<tr>
<td>Taylor ISD</td>
<td>13</td>
<td>13</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>1564</td>
<td>1429</td>
<td>93</td>
</tr>
</tbody>
</table>

(2016 Participant Numbers)
**Financial Report (Estimate)**

<table>
<thead>
<tr>
<th>Financial Contributions:</th>
<th>In-Kind Contributions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,105,895</td>
<td>$213,085</td>
</tr>
<tr>
<td></td>
<td><strong>Total Financial &amp; In-Kind Support Received:</strong> $1,318,980</td>
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</tbody>
</table>

**PROGRAM COST SUMMARY**

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost (in thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Personnel</td>
<td>$991,479</td>
</tr>
<tr>
<td>B. Fringe Benefits</td>
<td>$147,463</td>
</tr>
<tr>
<td>C. Maintenance &amp; Operation</td>
<td>$100,717</td>
</tr>
<tr>
<td>D. Travel (Staff)</td>
<td>$2,310</td>
</tr>
<tr>
<td>E. Participant Support</td>
<td>$123,882</td>
</tr>
<tr>
<td>F. Classroom &amp; Laboratory Facilities</td>
<td>$63,130</td>
</tr>
<tr>
<td><strong>TOTAL PROGRAM COST:</strong></td>
<td><strong>$1,318,980</strong></td>
</tr>
</tbody>
</table>

**Partners & Investors**

- Advanced Robotics at UTSA
- Alamo Area Council of Governments (AACOG)
- AMARMARK (St. Mary’s University)
- ARAMARK (UTSA)
- City of San Antonio Department of Parks and Recreation
- DJ Mayhern
- Esquire, Inc.
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- Melissa Cigano - SoGirls Connect
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- Northwest Vista College
- Our Lady of the Lake University
- Palo Alto College
- PRO Photography
- Radiospace
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- UTSA Engineering Department
- VA Metropolitan Transit

**Support from local, state, and national public and private sectors, including public universities/colleges, school districts, and other organizations.**

- **$1,105,895** in financial contributions
- **$213,085** in in-kind contributions

**2016 Financial Contributors**

- **$250-$4,999**
  - Brooks Academy
  - Comal Independent School District
  - Delila Independent School District
  - Fort Sam Houston Independent School District
  - HACEMOS of AT&T
  - IDEA Carver Academy
  - Junior Achievement of South Texas, Inc.
  - Kevin Mesenhimer - Reamap
  - Natalia Independent School District
  - New Frontier Charter Schools
  - Pearsall Independent School District
  - Pete Ortega - PRO Photography
  - PA. Schutz and S.L. Schutz
  - Rawlinson MS
  - Sarah Smiley
  - Schertz-Cibolo-Universal City ISD
  - Southside Independent School District
  - Twin Cities Public Television/Latina SoGirls
  - UTSA Office of Alumni Programs

- **$5,000-$24,999**
  - East Central Independent School District
  - Edgewood Independent School District
  - Edwards Aquifer Authority
  - Harlandale Independent School District
  - H-E-B Tournament of Champions
  - Judson Independent School District
  - North East Independent School District
  - NSA MEPP
  - San Antonio River Authority
  - Somerset Independent School District
  - Southwest Independent School District
  - South San Antonio Independent School District
  - SRC, Inc.
  - The John G. and Marie Stella Kenedy Memorial Foundation
  - USAF Cryptologic Systems Division, Lackland AFB

- **$25,000-$49,999**
  - City of San Antonio
  - Department of Human Services
  - Department of Defense (UTRGV)
  - San Antonio Area Foundation
  - Texas Department of Agriculture

- **$50,000+**
  - NSA GenCyber
  - San Antonio Independent School District
  - San Antonio Water System
  - St. W. Richardson Foundation
  - Texas Water Commission

**In-Kind Contributors**

- Advanced Robotics at UTSA
- Alamo Area Council of Governments (AACOG)
- AMARMARK (St. Mary’s University)
- ARAMARK (UTSA)
- City of San Antonio Department of Parks and Recreation
- DJ Mayhern
- Esquire, Inc.
- Halmah University
- Melissa Cigano - SoGirls Connect
- Northeast Lakeview College
- Northside Independent School District
- Northwest Vista College
- Our Lady of the Lake University
- Palo Alto College
- PRO Photography
- Radiospace
- San Antonio College
- St. Mary’s University
- St. Philip’s College-Southwest Campus
- Texas A&M University-San Antonio
- Texas Department of Transportation
- The Alamo Colleges
- UTSA Collegiate G-Force Student Mentorship Program
- UTSA Downtown Campus
- UTSA Main Campus
- UTSA Physics & Astronomy Department
- UTSA Engineering Department
- VA Metropolitan Transit

**Program Impact**

- Since 1979, 19,106 middle school and high school students have successfully completed at least one summer component of San Antonio PREP. Of these students:
  - 78% minorities
  - 54% female
  - 37% economically disadvantaged

**2016 PREP Student Achievement**

- 2,088 students applied to PREP program; (1,976 accepted; 1,564 began)
- 1,429 students completed the PREP program successfully
- 603 PREP I Graduates
- 428 PREP II Graduates
- 286 PREP III Graduates
- 112 PREP IV Graduates

**Program Graduates**

- 161 graduates recognized with averages of 98 or better
  - 50 PREP I Students
  - 57 PREP II Students
  - 45 PREP III Students
  - 9 PREP IV Students
- 106 honors students (averages between 98.00 and 98.99)
- 55 outstanding scholars (averages of 99.00 or higher)
- 54% College-Age Students attend or graduate from San Antonio colleges
The San Antonio PreFreshman Engineering Program (PREP) offers scholarships for middle school students to attend four summer sessions of engineering and science workshops. PREP is part of the National Alliance for Medical and Scientific Scholarships, and it is based on the Texas Pre-Engineering Program (TexPREP).

The aim of PREP is to provide high-quality educational experiences designed to inspire and prepare students for future careers in STEM fields. The program targets underserved students who may not have access to such opportunities. PREP's goals are to increase the number of competently prepared students from Texas who will ultimately be part of the future workforce of the State of Texas. This summer, PREP partners with many STEM providers, including St. Mary's University, The University of Texas at San Antonio, and many others.

PREP's curriculum is designed to enhance students' understanding of STEM concepts through hands-on projects and real-world applications. It includes topics such as water science, nanotechnology, computer science, and advanced science/engineering.

PREP's impact on students is measurable. Students who participate in the program are more likely to pursue STEM careers and have higher academic success. PREP also provides professional development opportunities for its staff, including education professionals who work with the program regularly.

This year, PREP will celebrate its 38th summer of providing high-quality STEM education to students in grades seven through eleven. PREP continues to expand its partnerships and reach, and it is committed to providing a challenging and rewarding experience that prepares students for success in STEM fields.

EXECUTIVE DIRECTOR: Raul A. Reyna, Ph.D.

MESSAGE FROM THE EXECUTIVE DIRECTOR:

The goal of PREP is to make this the key K-12 education program of choice for preparing students for STEM education and career preparation. Funding from the Department of Education’s Partnership for Strengthening the Competitiveness of America’s STEM Workforce (P-20) and the Department of Defense’s Army Research Laboratory (ARL) has allowed PREP to continue its work.

PREP provides a challenging and rewarding experience that keeps them academically engaged, but it also offers many students in grades seven through eleven, over the course of four years during the summer months. Not only do such partnerships help cover the cost of tuition for many families but also creates immediate and lasting connections between PREP students and the community. On behalf of all PREP students and staff, I would like to once again provide my sincere gratitude to our partners and investors, without whom this program would not exist, for making the PREP program possible.

Raul (Rudy) A. Reyna, Ph.D.
Executive Director, PREP
UTSA, The Institute for P-20 Initiatives

President's Conference: St. Philip's College- SW Campus - PREP I
Director: John Lottke
Facility: Office Manager: Rachael Perez
Program Assistant: Adriana Casiano, Claudia Greengood, Sergio Gutierrez, Tina Rotani, Ronda Moore, Ramon Orduña

UTSA - Main Campus - PREP I & IV
Director: Valerie Rogers, Office Manager: Erica Gonzales
Facility: Michael Alonzo, James Board, Victoria Espinola, Joe Garcia (CoDirector I), Michael Gomez, Vanessa Granillo, William Liu, Patrick Parks, Rossie Runnels, Judy Schwertbier, Dana Martinez, Howard Vail, Sam Zanetti
Program Assistants: Anil Kathiravan, Javier Garcia, Jeremy Garcia, Kristin Gonzalez (Head IV), Angelica Hernandez (Head IV), Anina Liza Hernandez, Heath Hoffman, Hannah Navarro, Brittany Rodriguez, William Riggs, Ian Schipull, Aasaband Smit, Malika Wadum

UTSA - Downtown Campus - PREP I
Director: John Lottke
Facility: Office Manager: Rachael Perez
Program Assistant: Adriana Casiano, Claudia Greengood, Sergio Gutierrez, Tina Rotani, Ronda Moore, Ramon Orduña

St. Philip's College- SW Campus - PREP I
Director: Mario Rodriguez
Facility: Office Manager: Mary Kelley
Program Assistant: Melissa Cruz, Allison Osnaga, Angel Pacheco
Program Assistant: Cardita Cozlow, Andrea Ortiz, Karina Perez, Greg Moore, Nada Sahngun

Palo Alto College PREP I
Director: Juan Neria
Facility: Office Manager: Rosalinda Galan-Sandoval
Program Assistant: Martin Coleman, Gerardo Garcia, Samuel Glass, Ariana Montez, Eduardo Rodriguez, Silva Ruiz Martinez
Program Assistant: Jacob Fey, Adam Flores, Valerie Garcia, Carlos Mendez, Vangeline Osteguin, Sandy Rojas, Melissa Trevino

Northwest Vista College - PREP I
Director: Yvette Usui
Facility: Office Manager: Annette Thomas
Program Assistant: Henry Hernandez, Veronica Montgomery, Ruben Vasquez, Ronald Wells
Program Assistant: David Amazon, Gustavo Chavez, Mohamed Ely, Melissa Pena

Faculty / Staff / Administration

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Student Feedback

PREP students applied responses of agree or disagree to the following statements. The percentage of students that agree is indicated.

“PREP was an intellectual challenge for me” ................................. 83%
“The curriculum reinforced my mathematical skills” ..................... 92%
“The program increased my knowledge of math-based professions” ... 87%
“PREP improved my problem-solving skills” .............................. 88%
“I consider myself a better student now (after completing PREP)” .... 96%
“I have a better understanding of what is required of college students” 89%

The PREP family of faculty, staff, and students offer the sincerest of thanks to our sponsors and benefactors for sharing a commitment to our mission. Your assistance and support have enabled the program to make a difference in the lives of children in our community by preparing them to become the STEM leaders of tomorrow.

Gifts to PREP

Gifts to PREP allow the program to continue to provide a quality STEM education for our students. If you choose to contribute a gift, you may designate its use, such as establishing a college scholarship for a deserving PREP student, providing tuition support for low-income students, funding a field trip, or you could allow PREP to apply your gift in a manner that meets our greatest need. Your contribution is tax-deductible to the extent permitted by law.

Contact our office by email at contact@prep-usa.org, by phone at 210-458-2060, or visit our website at www.prep-usa.org for more information.

2016 San Antonio Prefreshman Engineering Program
Annual Report