



**UTSA**<sup>®</sup>

The University of Texas at San Antonio<sup>™</sup>

## **Prefreshman Engineering Program (PREP)**

Presenter: Ana Isabel Leos

PREP Program Manager – San Antonio

# Agenda

## PREP – Prefreshman Engineering Program

- Who we are
- Reasons to Join PREP
- Application process
- Alumni and ISD

# Who we are

PREP identifies middle and high school students interested in science, technology, engineering and mathematics (STEM) and helps prepare those students for advanced studies and careers in those fields by providing a challenging academic program that emphasizes abstract reasoning, and problem solving and exposes participants to careers through speakers and field trips.

- 1979 by math professor Dr. Manuel P. Berriozabal
- 42 years of academic excellence!
- PREP exists at 33 sites in 25 cities and 7 states





# Reasons to Join the PREP Family

- Inspire your imagination
- Experience college life
- Sharpen math skills
- Develop problem solving skills
- Explore STEM careers
- Make new friends
- Prepare for their future
- Achieve goals



## PREP Dates & Times

- Anticipated Program dates:
  - Monday, June 21 - Friday, July 30, 2021
  - 7:30 am to 4:30 pm depending on the sites
- 
- Field trips scheduled on one of the Fridays during the session
- 
- Times vary by campus, an average day is from 6-7 hours, plus homework



# Courses Offered

Year 1	Year 2	Year 3	Year 4	All Years
<p>Logic and its Applications to Mathematics</p> <p>Introduction to Engineering</p>	<p>Algebraic Structures</p> <p>Introduction to Physics</p>	<p>Introduction to Probability &amp; Statistics</p> <p>Introduction to Technical Writing</p>	<p>Computer Science</p> <p>Advanced Science &amp; Engineering (such as Water Science, Nanotechnology, or Cyber Security)</p>	<p>Problem Solving Systems</p> <p>STEM Career Awareness</p> <p>Research &amp; Study Skills</p> <p>Field Trips and Special Events</p>



# PREP Locations (anticipated sites)

Year 1	Year 2	Year 3	Year 4
UTSA Downtown Campus	Northeast Lakeview College	St. Mary's University	UTSA Main Campus

# Summer 2021

## Hybrid program

- Curriculum will be adapted to be eligible for both TEA credit and online delivery.
- Due to Covid-19 restrictions, parents' preference, distance and accessibility, we will adjust to have both in-person and online modes of instruction.
- Curriculum will be easily adapted to a fully online experience if we are unable to meet in-person due to government restrictions.



# Fun Educational Field Trips



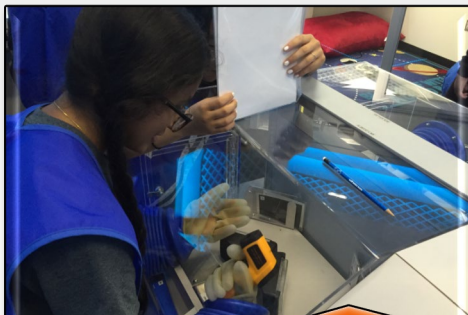
**The Meadows Center  
(formerly Aquarena  
Center)**



**Toyota Motor  
Manufacturing, Texas**



**Hill Country Science Mill**



**Scobee Challenger  
Learning Center**



**NASA – JSC Houston**



**SAWS “Rain to Drain”**

\*Based on Covid-19 restrictions and sites availability, field trips may be conducted virtually

## \*University PREP (UPREP)

UPREP offers college credit at UTSA to students who successfully completed PREP Year 3 and are at least in their sophomore year in high school. It is held during the summer; a limited number of need-based scholarships are available.

### Courses Tentatively Offered

Algebra-Scientists & Engineers

Biosciences I

Calculus I

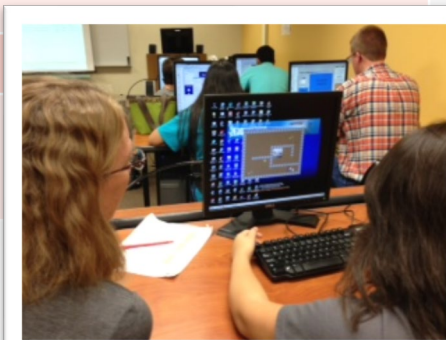
Foundations of Analysis

Introduction to Computer Programming I

Algebra-Based Physics

Pre-calculus

General Chemistry



### Overview of Program

Meets 2 to 5 days of the week, May – August  
(5, 8, 10 week terms available)

Meets 1 to 2 hours per day plus tutoring and 2 workshops

Held at UTSA Main Campus or UTSA Downtown Campus

Cost : \$500

For some school districts, no cost for students who qualify for free or reduced lunch. Please check with your school counselor for more information

Books: All students are required to purchase books for their given course.

# PREP Policies and Regulations

1. Medication Policy

2. PREP Guidelines

3. Each site may have their own rules and procedures.

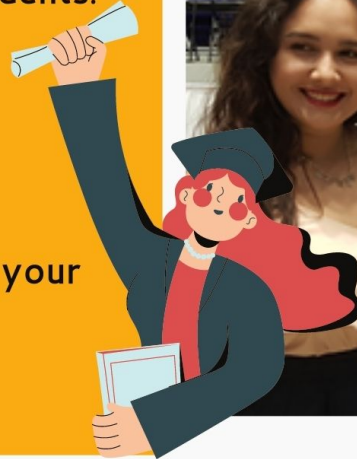




# PREP Alumni!

Stay connected with PREP after you have finished the program.

- Be a part of the PREP family by joining our team.
- Be a guest speaker and share your experience with future PREP students.
- Take part by being a TA for professors.
- Add your participation in your resume.





# Year 1 Application Requirements

## Students in 6<sup>th</sup>, 7<sup>th</sup>, & 8<sup>th</sup> grade:

Parental permission

An 80 in most recent grading cycle (6 or 9 week term) in math, science and English class. Report card must be submitted.

PREP Nomination form from a math teacher, available online to download

PREP Nomination form from either a counselor, science or English teacher, available online to download

Essay (100-200 words): Why I Want to Participate in PREP?

Submit PREP application, found on the PREP website:  
<https://future.utsa.edu/pre/prep/>

Satisfactory conduct grades (no N or U).

\*Screenshots of Parent portal are acceptable.

# Year 2, 3 and 4 Application Requirements

## Students in 7<sup>th</sup> to 11<sup>th</sup> grade:

Parental permission

An 80 in most recent grading cycle (6 or 9 week term) in math, science and English class. Report card must be submitted.

Satisfactory conduct grades (no N or U).

Submit PREP application, found on the PREP website:  
<https://future.utsa.edu/pre/prep/>

\*Screenshots of Parent portal are acceptable.

# Online Application Documents

- ✓ **Download** PREP Nomination form for **math teacher**.
- ✓ **Download** PREP Nomination form for **counselor, science, or English teacher**.
- ✓ **Upload** completed nomination forms to online application.
  
- ✓ Upload **current report card**, no hand-written, and no progress reports are accepted. Report card must include information on conduct and Honors classes, Pre-AP/AP, if applicable. Screenshots of parent portal will be accepted.
  
- ✓ If your report card does not have conduct, provide a letter of conduct from your school. See **Sample Conduct Letter** available online.
  
- ✓ If you are not taking math or science, you must also include an official transcript.
  
- ✓ 100-200 word Essay to be uploaded to online application: Why I Want to Participate in PREP?
  
- ✓ If online application is incomplete, it will be denied and no notification will be given.
  
- ✓ New/updated grades cannot be resubmitted or accepted after application submission.

# Cvent Page: Application

## 2021 PREP Year 1 Application

June 14, 2021 – July 29, 2021



### Personal Information

Fill out the information below, then click Next to continue.

We pre-populated your information. Doesn't look right? [Clear Fields](#)

* Student's First Name:	<input type="text" value="Ana"/>
Student's Middle Name (NA if no middle name)	<input type="text"/>
* Student's Last Name	<input type="text" value="Leos"/>
* Student's Email Address	<input type="text" value="ana.leos@utsa.edu"/>

I am registering on behalf of this person

[Cancel](#)

[Next](#)



# Guardian Information



[Summary](#)

## 2021 PREP Year 1 Application

June 14, 2021–July 29, 2021



Fill out the information below, then click Next to proceed.

### Personal Information

* Parent/Guardian First Name	<input type="text"/>
* Parent/Guardian Last Name	<input type="text"/>
Email Address	<input type="text"/>
* 10-digit Cell Phone Number	<input type="text" value="555-555-5555"/>
* Emergency 10-digit Phone Number	<input type="text" value="555-555-5555"/>

# Student Information

## Home Address

▪ Address 1

Address 2

▪ Country

▪ City

▪ State/Province

▪ ZIP/Postal Code

## Student Information

▪ What is the student's date of birth?

▪ Student identifies as

- Female
- Male
- Non-binary/third gender
- Prefer to self-describe

▪ Is the student Hispanic or Latino/Latina?  Yes  No

Please specify student's racial or cultural background (you may choose more than one)

- Black/African American
- Asian
- White/Caucasian
- Native Hawaiian or Pacific Islander
- American Indian or Alaska Native
- Other, please specify

# Student's School Information

## School Information

- \* Student's school district currently attending
- \* Student's school name
- \* Student's 2020-2021 grade level
- \* Student's Student ID (see report card)

## Parent / Guardian Questions

- \* What is the highest level of education of parent/guardian A?
  - Less than high school
  - High School diploma or GED
  - Associate's degree
  - Bachelor's degree
  - Master's degree
  - Education Specialist diploma
  - PhD, JD, MD or another high level professional degree
- \* Does Parent/Guardian A work?
  - Yes
  - No
  - I don't know
- \* If Parent/Guardian A works, what is the primary job or occupation of Parent/Guardian A?
- \* Parent/Guardian A is?
  - Biological mother
  - Adoptive mother
  - Biological father
  - Adoptive father
  - Grandmother
  - Grandfather
- \* Where was Parent/Guardian A born?
  - Another country
  - United State of America, including Puerto Rico, Guam, or another US territory

# Household Information

## Household Information

### City Council District

Using your **home address**, click the link below to locate your district and enter the information below.

[City Council District](#)

Steps:

1. Enter an address, then choose from a list of suggested addresses.
2. Click the 'Search' button
3. The map will zoom and display the City Council and neighborhood/property information about the location.
4. Enter City Council District Number below. If the address is not found please enter XX on the District information below.

- \* Enter City Council District number
- \* Including yourself, how many people are in your Household?
  - 2
  - 3
  - 4
  - 5
  - 6+
- \* Is the student (birth order)?
  - Oldest Sibling
  - One of the middle
  - Only child
  - Youngest Sibling
- \* How many brothers/sisters (including biological, half, step, and adopted) does the student have?
- \* Where was the student born?
  - United States of America, including Puerto Rico, Guam, or another US territory
  - Another country
- \* What was the first language the student learned to speak?
- \* About how many books are in the student's home?



# Documents Upload

• Current Level English?

• English Grade:

Enter a number between 1 and 100.

• Current Level Math?

• Math Grade:

Enter a number between 1 and 100.

• Current Level Science?

• Science Grade:

Enter a number between 1 and 100.

## Document Upload

- Student's 100-200 word essay that answers the prompt "Why I want to Participate in PREP"

Upload file [.Doc, .Docx, .Pdf]

## [Nomination Forms Links](#)

- PREP nomination form from a Math Teacher

Upload file [.Doc, .Docx, .Pdf, .Jpeg, .Tiff, .Tif]

- PREP nomination form from a Science Teacher, English Teacher, or School Counselor

Upload file [.Doc, .Docx, .Pdf, .Jpeg, .Tiff, .Tif]

- Official report card or parent portal printout (progress reports or achievement records will not be accepted)

Upload file [.Doc, .Docx, .Pdf, .Jpeg, .Tiff, .Tif]

If a report card does not include conduct, a letter may be provided from school.

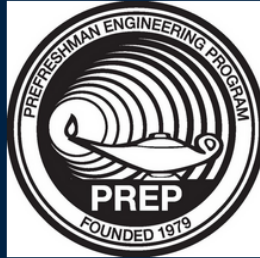
Conduct letter (if needed)

Sample of conduct letter:

<https://future.utsa.edu/pre/prep/>

Upload file [.Doc, .Docx, .Pdf, .Jpeg, .Tiff, .Tif]

# Summary Page



Summary

## 2021 PREP Year 1 Application

June 14, 2021–July 29, 2021



### Registration Summary

Take a moment to review your registration before continuing.

Ana Leos  
ana.leos@utsa.edu

[Edit](#)



# 2021 PREP Year 1 Application

June 14, 2021–July 29, 2021

**Congratulations, you have completed your application!**

Your Confirmation Number is:

D5NB5WWSP98

You will receive an email with your application details.

[Add to Calendar](#)

## Application Summary

Review your application information below

Ana Leos  
ana.leos@utsa.edu

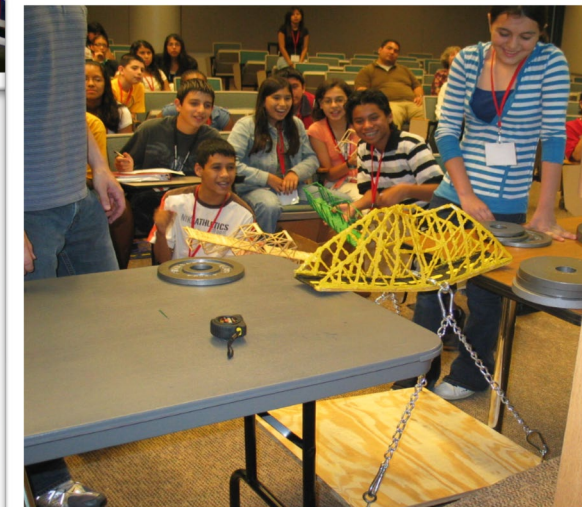




# Engineering & Problem Solving Days



# Engineering Design Challenges





# Cost of Program

No tuition is charged to students from sponsoring school districts; \$500 otherwise.

If eligible, student may receive free lunch daily and free or reduced bus fares. Documentation will be required after accepting admission in March 2021.



## High School Credit for Completed PREP Classes

-Parent/Guardian must check with school counselor or administrator on how the credit may be applied.

Note: the program does not oversee how schools/districts apply this credit to a student's transcript.

-If elected to, students may receive ONE (1) high school Career and Technical Education credit for each summer of PREP successfully completed.

-Students receive a Completion Certificate with Pass/Fail to provide to school,  
Transcript: students can request an official transcripts with grades for \$5 fee.

# High School Credit Codes

Course(s) Successfully Completed	Course Abbreviation	Code
Texas Pre-Freshman Engineering Program I	TXPRENG1	N1303752
Texas Pre-Freshman Engineering Program II	TXPRENG2	N1303753
Texas Pre-Freshman Engineering Program III	TXPRENG3	N1303754
Texas Pre-Freshman Engineering Program IV	TXPRENG4	N1303755

# Application Timeline

**November 1, 2020 –  
January 31, 2021**

Submit Complete  
Online Application

**Mid-March – April**

- Acceptance packet emailed to student
- Tuition due

**Mon June 21, 2021  
Fri July 30, 2021**

PREP Program Dates





# During the summer be a part of the PREP staff!



If you are a teacher, college student, or **PREP alumni** and are interested in being part of the PREP staff, visit

<https://future.utsa.edu/prep/prep/>



# PREP alumni!



**SAISD student**

# Contact Information

**Online Application Deadline: Sunday, January 31, 2021**

The University of Texas at San Antonio  
Prefreshman Engineering Program (PREP)

501 W. César E. Chávez Blvd.

San Antonio, TX 78207

Telephone: (210) 458-2829

E-mail: [prep@utsa.edu](mailto:prep@utsa.edu)

Visit and Apply Online at:

<https://future.utsa.edu/prep/prep/>



Prep\_initiatives



PREP Initiatives

Ana Isabel Leos

Program Manager

(210) 458-2062

Email: [ana.leos@utsa.edu](mailto:ana.leos@utsa.edu)