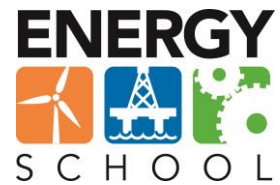


Freshman Parent Meeting

11/29/17 at 6:00 PM

Cohort 2 (Group A)



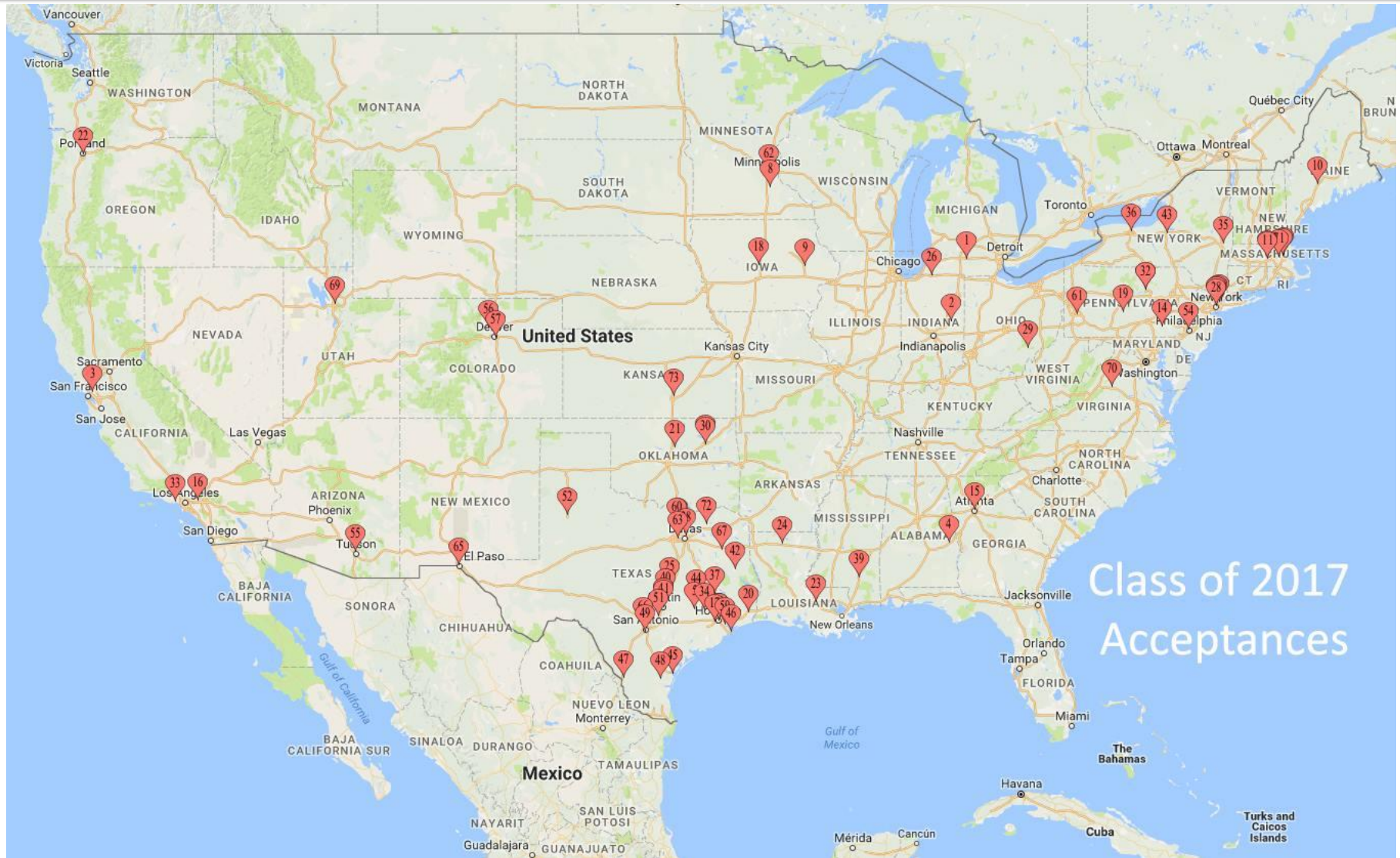
| | |
|------------------|--|
| 6:00-6:15 | Based on your child's cohort, please pick up your schedule for the night from the tables in the cafeteria. |
| 6:15-6:20 | Move to your first rotation |
| 6:20-7:15 | Academics Session Mrs. MacGregor, Dean |
| 7:15-7:20 | Move to your next session |
| 7:20-7:45 | The HUB Session Room 116 Ms. Myers, Biology Teacher |
| 7:45-7:50 | Move to your next session |
| 7:50-8:15 | Naviance Session Room 118 Ms. Lockhart, Engineering Teacher |

*If you have not signed up for a Parent Student Connect (Gradespeed) Account, please join Ms. Lockhart at 8:15 PM in room 118 to sign up for an account or learn more about the program (like how to set a trigger).

Class of 2021

Freshman Meeting

Freshman Class Meeting



Class of 2017 Acceptances

- Albion
- Auburn
- Ball State University
- Berkley
- Blinn Junior College
- Boston College
- Boston University
- Carleton College
- Coe College
- Colby
- College of the Holy Cross
- Columbia
- Fordham University
- Franklin and Marshall
- Georgia Tech
- Harvey Mudd
- Houston Baptist University
- Houston Community College
- Houston Community College Honors
- Iowa State
- Juanita
- Lamar University
- Langston University
- Lewis and Clark
- Lone Star
- Louisiana State University
- Louisiana Tech
- Mary Hardin Baylor
- Notre Dame
- New York Institute of Technology
- New York University
- Ohio University
- Oral Roberts
- Penn College
- Penn College of Technology
- Penn Tech
- Pepperdine
- Prairie View
- Rensselaer Polytechnic Institute
- Rochester Institute of Technology
- Sam Houston State University
- San Jacinto Junior College
- Southern Methodist University
- Southern Mississippi
- Southwestern
- St. Edwards
- St. John's University
- Stephen F. Austin
- Syracuse
- Texas A&M College Station
- Texas A&M Corpus Christi
- Texas A&M Galveston
- Texas A&M International
- Texas A&M Kingsville
- Texas A&M San Antonio
- Texas Southern University
- Texas State University
- Texas Tech
- Texas Women's University
- U Penn
- University of Arizona
- University of Colorado
- University of Denver
- University of Houston
- University of Houston Clear Lake
- University of Houston Downtown
- University of North Texas
- University of Pittsburg
- University of St. Thomas
- University of Texas Arlington
- University of Texas Austin
- University of Texas El Paso
- University of Texas San Antonio
- University of Texas Tyler
- University of Tulsa
- University of Utah
- University of Virginia
- Wellesley
- West Texas A&M Commerce
- Wichita State
- Worcester Polytechnic Institute

Academics, Planning Ahead and Contacts

- Credits
- Graduation Requirements
- Losing Credit
- Grades/GPA
- Growth Plans
- College Planning

Academics

In order to graduate from Energy,
one must have

26

credits

Academics

1 class = 0.5
credits per
semester

Academics

They must
be specific
credits...

Academics

Energy Students will be

1. Distinguished Graduates
2. Have at least two endorsements

Academics

Core Subjects (4x4)

- 4 math
- 4 science
- 4 English
- 4 social studies

Academics

ELECTIVES

- 2 World Language (same)
- 1 Fine Arts
- 1 P.E.
- .5 Health
- 4 engineering electives

Academics – Four Years

| | 9 th grade | 10 th grade | 11 th grade | 12 th grade |
|----------------|-----------------------|------------------------|------------------------|------------------------|
| English | English 1 | English 2 | English 3 | English 4 |
| Social Studies | W. Geography | W. History | US History | Eco/Gov't |
| Science | Biology | Chemistry | Env Science | Physics |
| Engineering | IED | POE | Env Sustainability | EDD |
| Math | Math | Math | Math | Math |
| Elective | PE/Health | Art | Elective | Elective |
| Elective | Technology | World Lang | World Lang | Elective |

Academics - Math

| Middle School | 9 th grade | 10 th grade | 11 th grade | 12 th grade |
|---|-----------------------|------------------------|------------------------|------------------------|
| n/a | Algebra 1 | Geometry | Algebra II | Pre-Cal |
| Algebra 1 | Geometry | Algebra II | Pre-Cal | Stats, AP Calc |
| Algebra 1 and Geometry | Algebra II | Pre-Cal | AP Calculus | AP Stats |
| Algebra 1 and Geometry and Algebra II | Pre-Cal | AP Calculus BC | Calculus 3 | AP Stats |

Academics – STEM Endorsement

Alg II, Chem, Physics, and:

- Coherent sequence of four or more credits in CTE

*All Energy students are required to earn this endorsement

Academics – Multidisciplinary Studies

One of the following:

- Four advanced courses that prepares a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas to include English IV, Chemistry, and Physics; or
- Four credits in each of the four foundation subject areas that are not in a coherent sequence; or
- Four credits in advanced placement courses (AP), IB, or dual credit selected from English, math, science, social studies, economics, languages other than English, or fine arts.

Academics – Arts & Humanities

One of the following:

- Four levels of the same language in a language other than English; or
- Two levels of two languages other than English
 - For example:
 - Japanese 1 and Japanese 2 (from middle school)
 - Spanish 1 and Spanish 2 (at Energy)

Academics

End of course = EOC = STAAR

- Required scores for graduation
- House Bill 5 decreased it from 15 to 5 EOC tests

Academics

STAAR Subject areas below:

| 9 th grade | 10 th grade | 11 th grade |
|-----------------------|------------------------|------------------------|
| English I | English II | U.S. History |
| Biology | | |
| Algebra* | | |

*unless taken in middle school

COUNSELOR'S REPORT OF STUDENT ACADEMIC RECORD

UNOFFICIAL USE ONLY

| Student Information | | School Information | |
|--|--|--|--------------------|
| Student No: | Energy Institute High School | School No: | 101912468 |
| Birthdate: | 1808 Sampson St. | | |
| Gender: | Houston TX 77003 | | |
| ID: | Phone: (713) 802-4620 | | |
| Parent/Guardian: | HS Enroll Date: Aug 25 2014 | Fax: (713) 556-9840 | |
| Fed Ethnicity & Race: | CBCC: | Date | Official Signature |
| Schools Awarding Credit | | | |
| 13/14 101912337 | 14/15 101912468 Energy Institute High School | 15/16 101912468 Energy Institute High School | |
| 16/17 101912468 Energy Institute High School | | | |

| Course Information | | | | |
|--------------------------------|-----------------|---------------|-------|--------------------|
| Language Arts | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | ENG 1 A:Q | 82 | | 0.5 |
| | ENG 1 B:Q | | 87 | 0.5 |
| 15/16 | ENG 2 A:Q | 75 | | 0.5 |
| | ENG 2 B:Q | | 77 | 0.5 |
| 16/17 | APENGLAN A:P | 90 | | 0.5 |
| | APENGLAN B:P | | 90 | 0.5 |
| Mathematics | | | | |
| Year | Course Name | S1 | S2 | CR |
| 13/14 | ALG 1 A:JQ | 75 | | 0.5 |
| | ALG 1 B:JQ | | 76 | 0.5 |
| 14/15 | GEOM A | 90 | | 0.5 |
| | GEOM B | | 81 | 0.5 |
| 15/16 | ALG 2 A:Q | 82 | | 0.5 |
| | ALG 2 B:Q | | 91 | 0.5 |
| 16/17 | PRE CALC A:Q | 85 | | 0.5 |
| | PRE CALC B:Q | | 81 | 0.5 |
| Science | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | BIO A:Q | 82 | | 0.5 |
| | BIO B:Q | | 81 | 0.5 |
| 15/16 | CHEM A:Q | 80 | | 0.5 |
| | CHEM B:Q | | 86 | 0.5 |
| 16/17 | SCIRD A:H | 94 | | 0.5 |
| | SCIRD B:H | | 95 | 0.5 |
| | AP-ENVIR A:P | 93 | | 0.5 |
| | AP-ENVIR B:P | | 92 | 0.5 |
| Social Studies | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | W GEO A:Q | 92 | | 0.5 |
| | W GEO B:Q | | 84 | 0.5 |
| 15/16 | W HIST A | 84 | | 0.5 |
| | APWHIST B:P | | 73 | 0.5 |
| 16/17 | US HIST A | 86 | | 0.5 |
| | US HIST B | | 92 | 0.5 |
| Health | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | HLTH ED | 95 | | 0.5 |
| PE/Equivalent | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | PEITS | 94 | | 0.5 |
| | PEITS | | 96 | 0.5 |
| Other Languages | | | | |
| Year | Course Name | S1 | S2 | CR |
| 13/14 | SPAN 1 A:J | 89 | | 0.5 |
| | SPAN 1 B:J | | 87 | 0.5 |
| 14/15 | SPAN 2 A:Q | 83 | | 0.5 |
| | SPAN 2 B:Q | | 80 | 0.5 |
| Fine Arts | | | | |
| Year | Course Name | S1 | S2 | CR |
| 15/16 | ART 1 A | 90 | | 0.5 |
| | ART 1 B | | 92 | 0.5 |
| Tech Appl | | | | |
| Year | Course Name | S1 | S2 | CR |
| 15/16 | TACS1 A:Q | 83 | | 0.5 |
| | TACS1 B:Q | | 87 | 0.5 |
| Career Tech Education | | | | |
| Year | Course Name | S1 | S2 | CR |
| 14/15 | IED A:X | 87 | | 0.5 |
| | IED B:X | | 83 | 0.5 |
| 15/16 | PRINENG A | 91 | | 0.5 |
| | PRINENG B | | 85 | 0.5 |
| 16/17 | BIOENG A | 90 | | 0.5 |
| | BIOENG B | | 92 | 0.5 |
| Other Electives | | | | |
| Year | Course Name | S1 | S2 | CR |
| 16/17 | CRSS | 97 | | 0.5 |
| | CRSS | | 98 | 0.5 |
| | APSMNR A:PX | 95 | | 0.5 |
| | APSMNR B:PX | | 93 | 0.5 |
| Credits Earned | | | | |
| Credit Total: | 24.50 | State: | 24.50 | Local: 0.00 |
| Test Information | | | | |
| STAAR EOC | Date | Score | Met | |
| ENGLISH I | 04/2015 | 4423 | Y | |
| ENGLISH II | 04/2016 | 4375 | Y | |
| ALGEBRA I | 05/2014 | 4647 | Y | |
| BIOLOGY | 04/2015 | 4864 | Y | |
| US HISTORY | 04/2017 | 4527 | Y | |
| Foundation Endorsements | | | | |
| Endorsement | Completion Date | | | |
| M - Multi-Disciplinary Studies | | | | |
| S - STEM | | | | |

Sample transcript

Date of Graduation: _____ Graduation Program Type: 34-Distinguished Level of Achievement (2014) Texas Grant Eligibility: No
 Year Entered 9th Grade: 2014
 A passing grade is 70 or above; *P=Pass *F=Fail *A=Audit W=PE Waiver

The following codes appear in the abbreviated course name column separated from the name by a colon: A=Tech-Prep Courses; C=Correspondence Courses; D=College Dual Credit; E=Credit by Exam; G=Gifted/Talented; H=Honors; I=International Baccalaureate Course; J=High School Course completed prior to grade 9; K=Pre-International Baccalaureate Course; L=Local Course; Credit; M=Magnet Course; N=Night School; P=Advance Placement Course; R=Summer School/Credit Recovery; V=Content modified by ARD; T=Credit Verification; X=Innovative Course; Z=Distance Learning Refer to rules for appropriate use.
 Codes prior to 2004/2005 year - S=Modified Content; Q=Pre-AP
 Note: In the semester/credit columns NG* / M = denied grade / credit = excessive absences 1st semester; NG* / N =

Academics

| Year | Course Name | S1 | S2 | CR |
|-------------|--------------------|-----------|-----------|-----------|
| 14/15 | BIO A:Q | 68 | | 0.0 |
| | BIO B:Q | | 62 | 0.0 |

0.0 means no credit earned

| | | | | |
|-------|----------|----|----|-----|
| 15/16 | CHEM A:Q | 77 | | 0.5 |
| | CHEM B:Q | | 70 | 0.5 |

0.5 means credit earned for semester

Academics

Social Studies

| Year | Course Name | S1 | S2 | CR |
|-------|-------------|----|----|-----|
| 14/15 | W GEO A | 71 | | 0.5 |
| | W GEO B | | 75 | 0.5 |
| 15/16 | APWHIST A:P | 72 | | 0.5 |
| | APWHIST B:P | | 66 | 0.0 |

0.5 = credit earned per semester

Total 1.5 social studies credits

Academics

PE/Equivalent

| Year | Course Name | S1 | S2 | CR |
|-------|-------------|----|-----|-------|
| 14/15 | PEITS | 81 | | 0.5 |
| | PEITS | | NG* | 0.0 N |

0.0 = credit lost due to absences

Academics

- Tardies can become absences
- 5 absences = no credit

Academics

If a student FAILS a course, (s)he must retake it and pass

Academics

Or (s)he doesn't

GRADUATE

Academics

Summer school/credits in high school is different than middle school

Academics

| | | | | |
|-------|----------|----|----|-----|
| 15/16 | GEOM A | 66 | | 0.0 |
| | GEOM B | | 61 | 0.0 |
| | GEOM A:R | 86 | | 0.5 |
| | GEOM B:R | 86 | | 0.5 |

Summer school – there are limits
Failing grades stay on transcript forever

Academics – Semester Average

CY = grading cycle = 40% each quarter

FE = Final exam = 20%

$$=(\text{CY1} * .4) + (\text{CY2} * .4) + (\text{FE} * .2)$$

$$=(73 * .4) + (76 * .4) + (47 * .2)$$

$$= 29.2 + 30.4 + 9.4$$

$$= 69$$

This semester grade determines your GPA

Academics

GPA?

What's that?

Does it really matter?

Academics

$$\text{GPA} = \frac{\text{points added together}}{\text{number of classes}}$$

1. Convert grades to 4 pt scale
2. Add points together
3. Divide by # of classes

Academics

| Grade | Pre-AP/AP | Prep |
|--------------|-----------|------|
| A (90-100) | 5 | 4 |
| B (80-89) | 4 | 3 |
| C (75-79) | 3 | 2 |
| D (70-74) | 2 | 1 |
| F (below 70) | 0 | 0 |

Academics

| Class | Grade | Point Value |
|----------------|-------|-------------|
| Prep Biology | 80 | 3 |
| PAP English | 82 | 4 |
| Prep Geom | 67 | 0 |
| PAP World Geo | 76 | 3 |
| PE | 80 | 3 |
| IED | 92 | 4 |
| Digital Design | 80 | 3 |
| PBL Skills | 95 | 4 |
| | TOTAL | 24 |

$$\text{GPA} = \frac{24}{8} = 3.0$$

Academics

| Class | Grade | Point Value |
|----------------|-------|-------------|
| Prep Biology | 80 | 3 |
| PAP English | 82 | 4 |
| Prep Geom | 67 | 0 |
| PAP World Geo | 76 | 3 |
| PE | 80 | 3 |
| IED | 92 | 4 |
| Digital Design | 80 | 3 |
| PBL Skills | 65 | 0 |
| | TOTAL | 20 |

$$\text{GPA} = \frac{20}{8} = 2.5$$

Academics

- Official GPA is based on semester grades only
- GPA determines class rank
- Students' simulation

| | | |
|-----------------|------------------|--------------------|
| Grade | "If Prep" points | "If Pre-AP" points |
| A (90-100) | 4 | 5 |
| B (80-89) | 3 | 4 |
| C (75-79) | 2 | 3 |
| D (70-74) | 1 | 2 |
| F (69 or below) | 0 | 0 |

YOUR "GPA"

| Course | Level (PAP/Prep) | Report Card Grade | Points (use chart) |
|-------------|---------------------|-------------------|--------------------|
| English 1 | PAP | 83 | 4 |
| Biology | Prep | 92 | 4 |
| World Geog | | | |
| Math | | | |
| Engineering | Prep | | |
| PBL Skills | Prep | | |
| Elective 1 | | | |

GPA/Class Rank at Energy

- Official GPA is based on semester grades only
- GPA determines class rank
- Updated ranks were distributed this month

| Class | 10% | 25% | 50% |
|-------|-----|------|------|
| 2017 | 4.1 | 3.5 | 3.1 |
| 2018 | 4.2 | 3.8 | 3.3 |
| 2019 | 4.4 | 3.8 | 3.0 |
| 2020 | 4.5 | 4.1 | 3.4 |
| 2021 | 4.5 | 4.25 | 3.62 |

Unofficial
GPA 

College - GPA

Average HS GPA

Rice – 4.08

MIT – 4.13

A&M – 3.55

UT – 3.6

Colby – 3.87

College - GPA

Average HS GPA

Rice – 4.08

MIT – 4.13

A&M – 3.55

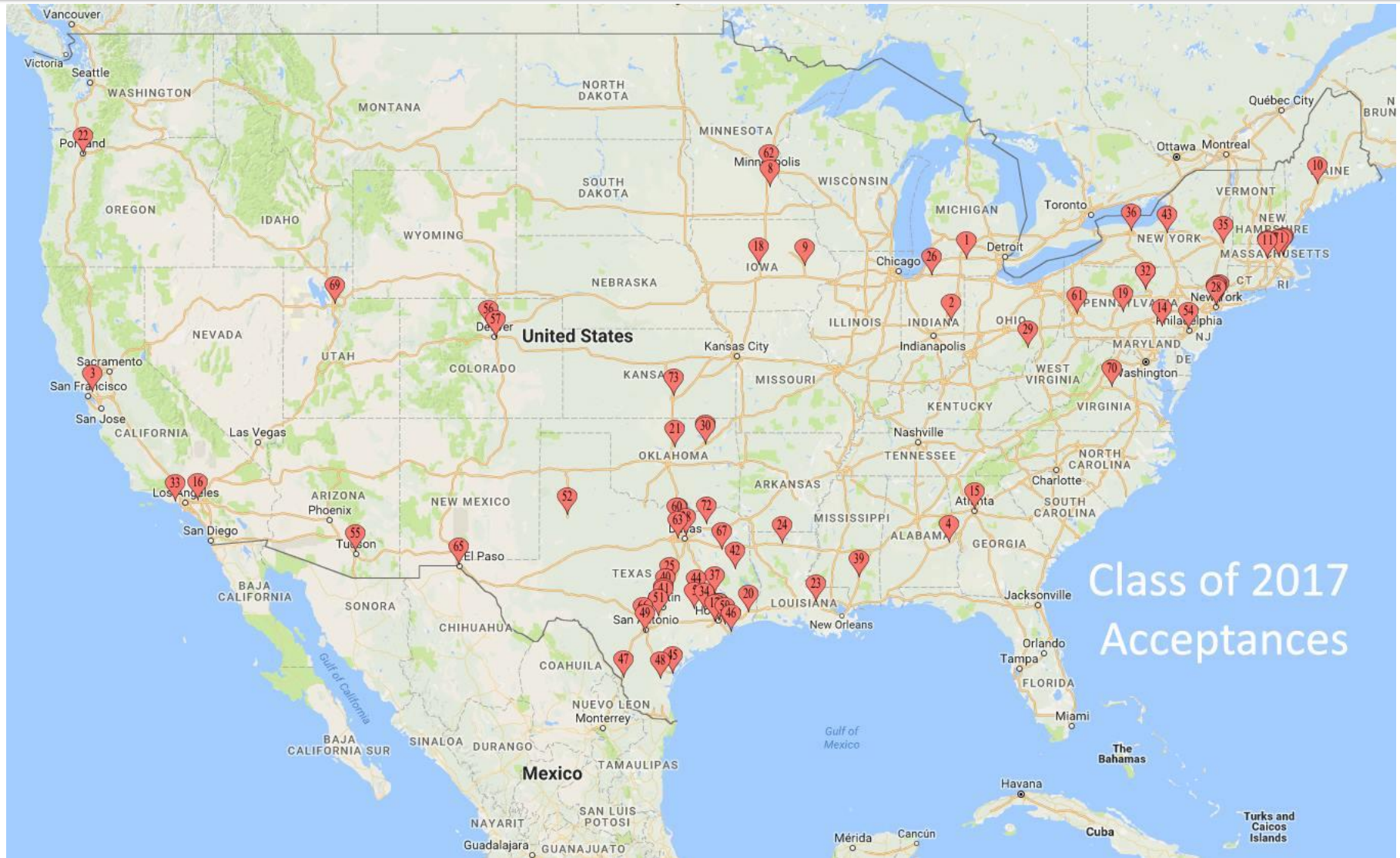
UT – 3.6

Colby – 3.87

UH – 3.51

Sam Houston State – 3.24

Freshman Class Meeting



Class of 2017 Acceptances

- Albion
- Auburn
- Ball State University
- Berkley
- Blinn Junior College
- Boston College
- Boston University
- Carleton College
- Coe College
- Colby
- College of the Holy Cross
- Columbia
- Fordham University
- Franklin and Marshall
- Georgia Tech
- Harvey Mudd
- Houston Baptist University
- Houston Community College
- Houston Community College Honors
- Iowa State
- Juanita
- Lamar University
- Langston University
- Lewis and Clark
- Lone Star
- Louisiana State University
- Louisiana Tech
- Mary Hardin Baylor
- Notre Dame
- New York Institute of Technology
- New York University
- Ohio University
- Oral Roberts
- Penn College
- Penn College of Technology
- Penn Tech
- Pepperdine
- Prairie View
- Rensselaer Polytechnic Institute
- Rochester Institute of Technology
- Sam Houston State University
- San Jacinto Junior College
- Southern Methodist University
- Southern Mississippi
- Southwestern
- St. Edwards
- St. John's University
- Stephen F. Austin
- Syracuse
- Texas A&M College Station
- Texas A&M Corpus Christi
- Texas A&M Galveston
- Texas A&M International
- Texas A&M Kingsville
- Texas A&M San Antonio
- Texas Southern University
- Texas State University
- Texas Tech
- Texas Women's University
- U Penn
- University of Arizona
- University of Colorado
- University of Denver
- University of Houston
- University of Houston Clear Lake
- University of Houston Downtown
- University of North Texas
- University of Pittsburg
- University of St. Thomas
- University of Texas Arlington
- University of Texas Austin
- University of Texas El Paso
- University of Texas San Antonio
- University of Texas Tyler
- University of Tulsa
- University of Utah
- University of Virginia
- Wellesley
- West Texas A&M Commerce
- Wichita State
- Worcester Polytechnic Institute

College - Acceptances

Here are some examples of how your ranking works when it comes to Texas public colleges. It also matters for schools outside of Texas and private, these are just examples.

| School | Top 6/8/10 | Top 25% | 25-50% | 51-75% | 76-100% |
|-------------|------------|---------|---------|---------|---------|
| Texas A&M | Auto (10) | 1360/30 | review | review | review |
| UT | Auto (6) | review | review | review | review |
| UH | Auto | 1080/21 | 1170/24 | review | review |
| Texas Tech | Auto | 1180/24 | 1260/26 | 1290/27 | review |
| Texas State | Auto | 1000/20 | 1090/22 | 1250/26 | 1330/29 |

GPA Game

I need 8 volunteers!

Growth Plans – Coming Soon

How do I stay off a growth plan?

- Grades
 - 75+ in all classes
 - 80+ in engineering
- Good conduct
- Good attendance

Growth Plans – Coming Soon

- What if that didn't happen?
 - Meeting
 - Call parent
 - Discuss areas with opportunity for growth
 - Create plan (tutorials)
 - Check back – 9 weeks to improve...

Academics

- Recommendations
 - Take notes
 - Do the work
 - Participate
 - Turn items in
 - Grade Speed
 - Tutorials – use them wisely
 - Make-ups/Retakes

College Planning

Thinking Ahead

- Thinking/researching possibilities
- Clubs/activities
- Get to know your teachers and deans
- volunteermatch.org
(tinyurl.com/energyvolunteering)
- Internship? Externship?
- DiscoverU



My Experience with CIEE

- Arabic Language and Moroccan Culture (Rabat, Morocco)
- Excursions to Casablanca, Tangier, and Chefchaouen
- 60 hours of instructional Darija and Fusha (MSA)
- 10 hours of language practice in community
- Speaking with host family
- 4 college language credits





Benefits

- Leadership
- Communication
- Critical Thinking
- Confidence
- Network

4-Day Great Debate

December 3

12-1pm

University of Houston

Science & Engineering Classroom Building

3600 Cullen Blvd, Houston TX 77004



Service corporation International intern through Genesys works

ASHLEY HART

Genesys Works

- *Why I joined*
- *Application Process*
- *Benefits*

GENESYS
WORKS.

Who is SCI?

North America's largest single provider of funeral, cremation, and cemetery services.

We believe in life being well celebrated.



*Service
Corporation
International*

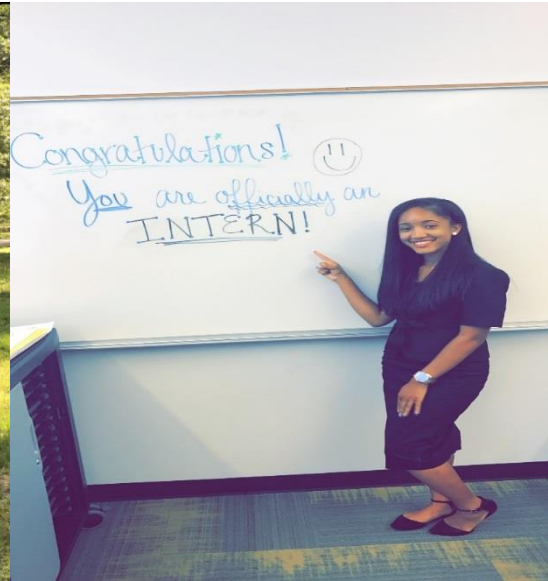
Responsibilities and aspirations

- ***Key Responsibilities:*** Update systems, collect and analyze survey data, and keep track of scholarship applicants for mortuary schools.
- ***Future aspirations:*** To become an anesthesiologist, while also growing my clothing line.



*Service
Corporation
International*

GENESYS WORKS.



Genesys Works

Genesys Works program provides internships to high school students to give them work experience a normal high school experience wouldn't offer.

The Genesys Experience includes

- Interesting summer training
- Valuable work experience
- Help with college and life
- Lasting relationships
- And just a worthwhile experience



Genesys Works



Kinder Morgan is A oil & Gas company that is in the Fortune 500. Started in 1997, Kinder Morgan is located in Downtown and is one of the most respected companies in the Oil & Gas Industries

Responsibilities

- AutoCAD
- Delivering mail to various employees
- Inputting elevation lines
- Moving files digitally

MY Future

The future I am trying to carve out for myself is to become a successful mechanical engineer and a project manager. Kinder Morgan has provided me with the professional experience that no other company could of provided and it has confirmed myself going into the engineering field