

# Manuel Zavala II

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## Education

Bakersfield College; 2014-Present  
Major: Bachelor's of Science in Civil Engineering

**Intended Transfer:** Fresno State  
In Fall 2017

Ridgeview High School; 2011-2014  
Diploma

## Work Experience

City of Bakersfield  
*Lifeguard; Bakersfield, CA*

*June 2013-Present*

City of Bakersfield Recreation and Parks Department wants to keep children safe in and around water. Lifeguards from the city present water safety education to patrons in our community.

## Related Coursework

- **Analytical Geometry/ Calculus I & II**
  - Methods of differentiation
  - Methods for Integrations
  - Understanding of sequences and series
- **AutoCAD & Drafting**
- **Calculus Based Physics**
  - Mechanics and Wave Motion
- **Introduction to Engineering**
  - Designed, manufactured, and tested product for efficiency and reliability.
  - Use of Excel to solve engineering problem

## Skills

Drafting, AutoCAD, Solidworks Microsoft Word/Excel/PowerPoint, Solid Works, First Aid, CPR, Use of an AED, Use of Oxygen, Leadership, Initiative

## Affiliations

American Society of Civil Engineers (ASCE)  
Hispanic Organization Promoting Engineering and Science (HOPES)  
Hispanic Organization Promoting Engineering and Science (HOPES)  
Society of Hispanic Professional Engineers  
Engineers Club  
Bakersfield College Student Government Association (BCSGA)  
Mathematics Engineering Science Achievement Program (MESA)

*Member Fall 2015-Present*  
*Vice-President Spring 2015-Present*  
*President Spring 2016-Present*  
*Member Spring 2015-present*  
*Member Spring 2015-present*  
*Senator Spring 2015-Present*  
*Member Spring 2015- Present*

## Honors

California Scholarship Federation (CSF), "Senior You Need to Know", Honorable Member of the Year-HOPES Club