STEM and CSUSM EC Notes

Our Stories

* Ashley
  + Works in a quantum computing group
  + Loves physics
  + Never let failures define you
  + CalState San Marcos was the perfect place to learn through failure
* John
  + From Escendido
  + Went to Palomar for 3 years
  + Tranfered to CalState San Marcos during covid
  + Bacholers degree

Fun Facts

* CSUSM was built on a poultry farm
* It is the National leader in social mobility
* Built in 1989 making it one of the newer cal states
* Since CSUSM has more than 250 stairs

Pathways

* Life Sciences
  + Chemiistry
  + Biochem
  + Chemical education
* B.S and minor in applied physics
* Computer engineering(New major)
* B.S and minor in mathematics
  + General
  + Education
  + Algorithm
  + Applied
* B.S Eletircal engineering
* B.S Biotechnology

CSTEM Departments

* Physics
* Chemistry and biochemistry
* Biotechnology
* Biological sciences
* Math
* Computer science
* Software engineering

CSUSM Clubs

* Cybersecurity
* Robotics
* 3D Printing
* Women in STEM
* Socitey of Women Engineers
* Socitey of Physics students
* National Society of Black Engineers

Internships

* A period of work offered by an orginization
* You can find them:
  + Joining clubs
  + Networking
  + Checking emails, depeartments often send opportunity
  + Go to campus events
  + Look up opportunities
* Tips:
  + Avoid unpained internships
  + Apply even if you feel underqualifed
  + Ask faculty members for help on app.
  + Go to writing center on campus for help

Programs

* Summer scholars program
  + 10 week summer prgram
  + Internsive research experience with enrichment activities
  + 6000-3000 dollar stipend
* Quantom Bridge Program
  + 4-week program for admitted CSUSM students

Research at CSUSM

* Terrestrail ecosystem lab
* Alage
* Summer jobs and research in physics
* Dynamics in math
* Quantum information sciences
* Cancer cell research
* Metorite/astrophysics

Paying for college

* Grant vs scholarship
  + Scholar is is priviaty founded
  + Grants are from government
* Generaly loans are not preferred unless needed
  + Subsidized loans do not accrue interest while you are in school at lease half-time or during deferment periods. Partially funded by goverment
  + Unsubzudized loans accrue interest while you are in school. You will end up paying a lot more
* You have to pay your loans 6 months after graduating

Scholarships and grants

* Check FAFSA
* Check student emails
* Google is your best freind
* Finical aid access

Life after CSUM

* Countinue onto graduate school and other professional programs
* A carrer in biomed, environmental, chemical, and eletronics fields
* Become an educator either in K-12 or higher ed.
* A career in a variety of government agencies

Upcoming event at CSUSM

* Cougar blue day
* Saturday April 8th