



INTRODUCTIONS

Varu

- **★** 3rd Year BME Premed
- ★ Suture Lab (Dr. King)





Neha

- * 3rd Year BME Premed
- ★ Suture Lab (Dr. King)
- ★ BEAT Lab (Dr. Oomen)

Dean

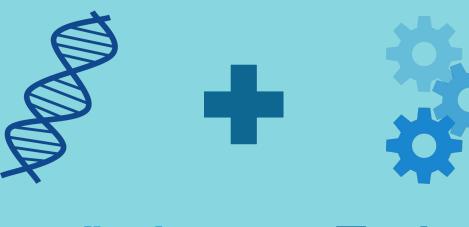
- 2nd Year BME Premed
- BiNoM (Dr. Kulinsky)
- Beckman Laser Institute(Dr. Milner)



THANK YOU TO OUR VOLUNFIERS!



Biomedical Engineering



Biomedical

Engineering

Biomedical Engineering

BME IS:

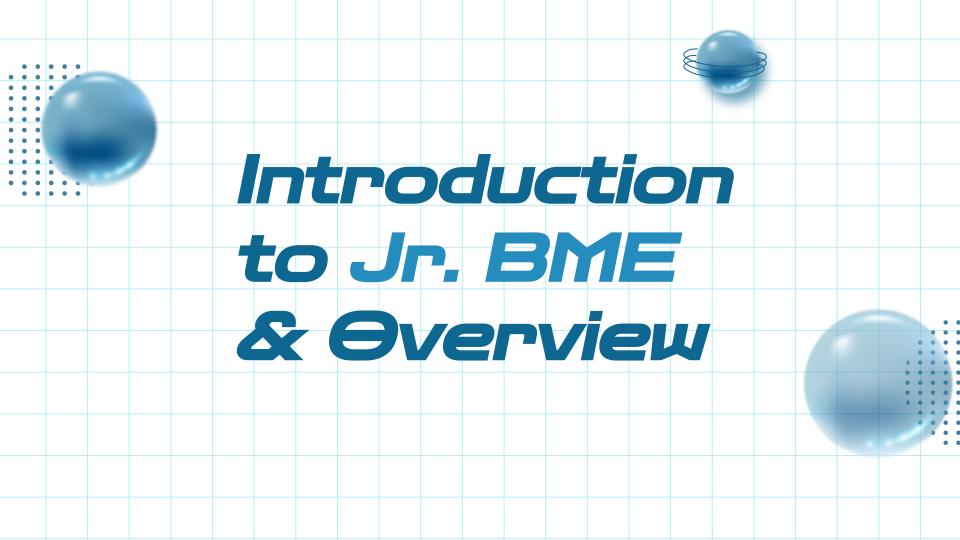
- → Multidisciplinary field
- → Rigorous but rewarding
- → A growing and in-demand field
- → Lots of hands on work
- → Pathway to a wide scope of research
- → Flexible career pathways
- Incorporates skills independent of just biology and engineering

BME IS NOT:

- → Solely limited to biology or engineering
- → A "medicine only" pathway
- → Read and memorize type courses
- → Purely patient-centric work
- Completely separate from other engineering fields
- → Requires high grades to be successful
- → A soul draining engineering major
- → Basically a bio major







BME for YOU

- → High school centered to expose you to what we do in BME
- → 4 Workshops
 - ♦ What is BME? (this one!)
 - ♦ Java Programming (APCSA, data structures)
 - ♦ Arduino (similar to C programming, but with hardware)
 - ♦ Onshape (computer aided design → 3D printing)
 - ♦ Plus more to come later one
- → Aim: get your feet wet and not be daunted by BME in college apps
- Teach you skills that are applicable outside of BME in other majors (i.e. engineering, computer science, etc)

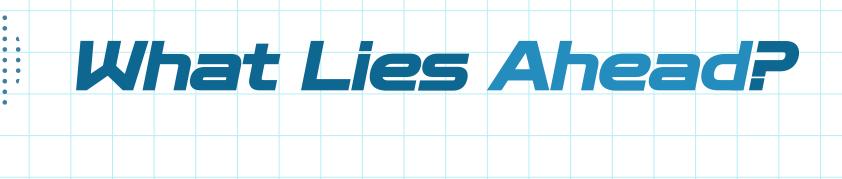




The Big Kid Experience

- → College = vastly different landscape than high school
- → Extracurriculars are sought out by YOU (not mom signing you up for something that you find out about once you get there)
 - ♦ Research (both BME and BMEP)
 - ♦ Internships (more so BME)
 - ♦ Clinical hours (more so BMEP)
- → Need help? Clubs, organizations, and . . . BMES!
 - ♦ Why? Biomedical Engineering Society is goated
 - Even if you don't go to UCI, there are BMES chapters at other universities (UCLA, UCSD, USC, etc). Also Portola peeps.





PPP



HIGH

COLLEGE

Diverse Pathways **MASTERS** Length depends on research (1-2 years) Prepare for private industry and academia **HIGHER** PHD **EDUCATION** Doctorate in engineering (4-6 years) Prepare for private industry and academia **MEDICAL SCHOOL** Doctorate in medicine (4 years) Premed-specific path at UCI

