

## 1. RENEWAL DOCUMENT

### Club Information

Website: <https://bmesucr.weebly.com/>

### Club Advisor

Robert McKee

Assistant Professor of Teaching

Phone: 1 (951) 827-4914

Email: [rmckee@ucr.edu](mailto:rmckee@ucr.edu)

### PRESIDENT

Samantha Tovar | [stova009@ucr.edu](mailto:stova009@ucr.edu)

### VICE PRESIDENT

Nina Phatak | [nphat002@ucr.edu](mailto:nphat002@ucr.edu)

### TREASURER

Amariah Peedikayil | [apeed001@ucr.edu](mailto:apeed001@ucr.edu)

### PROFESSIONAL DEVELOPMENT

Phiphi Dinh | [pdinh015@ucr.edu](mailto:pdinh015@ucr.edu)

### OUTREACH EXTERNAL COORDINATOR

Tara Kia | [fkia001@ucr.edu](mailto:fkia001@ucr.edu)

### MENTORSHIP CHAIR

Shubhra Singhal | [ssing269@ucr.edu](mailto:ssing269@ucr.edu)

### PROJECT LEAD

Jacob Hensley | [jhens010@ucr.edu](mailto:jhens010@ucr.edu)

### TECHNICAL DEVELOPMENT CHAIR

Alexis Studebaker | [astud002@ucr.edu](mailto:astud002@ucr.edu)

### ASSISTANT BEARHACK DIRECTOR

George Haddad | [ghadd005@ucr.edu](mailto:ghadd005@ucr.edu)

### SENIOR ADVISOR

Rutva Doshi | [rdosh007@ucr.edu](mailto:rdosh007@ucr.edu)

### FREE NEW MEMBERSHIP

Manishi Jayasuriya | [mjaya008@ucr.edu](mailto:mjaya008@ucr.edu) | Webmaster



### III. COVER LETTER

Dear Award Selection Committee,

The BioMedical Engineering Society Student chapter at the University of California, Riverside (UCR) is committed to fostering the professional growth of our members as they develop and navigate their academic journey and transition out of university into their future careers and endeavors. Our organization recognizes the diverse opportunities within the field of bioengineering as we strive to expose our members to the different paths and opportunities available. With each passing year, we adjust our goals and motivations to embrace and accommodate the various goals of our members in order to adapt and better suit our bioengineering community at UCR.

Throughout the academic year, we have invited various industry speakers from leading biotech companies such as Boston Scientific, Abbot, and Johnson and Johnson to medical students from UCR's School of Medicine. Through these opportunities, we provide our students with the ability to network with a range of engineering and health professionals. Additionally, we facilitate connections with UCR bioengineering faculty and alums to bridge the gap between our courses and professional careers. Through collaborative efforts with the UCR Career Center and Bourns College of Engineering professional development team to organize workshops to foster professional growth and development. Aided by these professional skill-building workshops, our members could take advantage of our internship workshops, where we connected our motivated members to various nationwide summer internship opportunities with companies such as Blackstone Launchpad and Applied Medical.

While our organization maintains frequent involvement with professional and medical leaders, we also ensure our members can gain practical skills essential for aspiring engineers. By providing spaces of innovation, our members can learn through various workshops and projects in all aspects of the design process to learn mechanics, electrical design, and fabrication. Our main project for the year is a low-cost automated wound cleaning and dressing medical device.

Within our many on-campus collaborative events, our most notable and longstanding partnership is the Bioengineering Interdepartmental Graduate Student Association (BIG-GSA). Established in 2013, BMES and BIG-GSA, along with strong support from the Department of Bioengineering, have developed the Bioengineering Mentorship Program. This program works to build a united community within the Department of Bioengineering to connect undergraduate students with graduate students and provide guidance on academic and professional development.

As a student organization within a minority-serving institution, one of our primary goals is to encourage and foster STEM literacy and education through involvement at local schools for underrepresented K-12 students. Through collaborative education and outreach endeavors at local high schools, such as science fairs, career presentations, and workshop activities, our students inspire students to pursue STEM education and careers.

One of our more notable and recent social events was when we collaborated with the Society of Women Engineers to plan a networking event with representation from all 17 Bourns College of Engineering Student Organizations. At this event, over 70 student leaders were grouped into teams to participate in various team-building activities, followed by dinner to encourage new collaboration between student organizations.

This Chapter Development Report includes a comprehensive review of the BMES Student Chapter activities throughout 2023 - 2024 at UCR. Please review our organization's professional, leadership, club, outreach, and community service development in the following report. Thank you for your time and consideration.

Thank you,  
Eric Huitt  
President, 2023-2024





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## V. ADMINISTRATIVE REPORT

Information about our officers and advisers is accurately updated to maintain up-to-date communication between BMES National and our student chapter.

For the 2023-2024 academic year, the board consists of 13 officers in order to ensure the smooth administration of the BMES at UC Riverside Chapter. While it is the responsibility of each officer to do the tasks associated with their position, they are allowed and encouraged to collaborate with other members or work on new ideas. Club communications are conducted via the chapter email, Discord, and officer group chat. All relevant documents and photographs are kept on a shared Google Drive. In addition to their biweekly meetings, officers can schedule one-on-one meetings with the President and Vice President upon request. During the Spring Quarter, Officers work on transitioning their roles and duties to the upcoming board of 2024-2025. 1-on-1 meetings are held over the summer in order to ensure adequate transitions.

### CLUB OFFICERS

#### 2023-2024 Academic Year

<b>PRESIDENT</b>	Eric Huit   ehuit002@ucr.edu 4th year Bioengineering Undergraduate
<b>VICE PRESIDENT</b>	Samantha Tovar   stova009@ucr.edu 3rd year Bioengineering Undergraduate
<b>TREASURER</b>	Serena Rojo   srojo004@ucr.edu 4th year Bioengineering Undergraduate
<b>SECRETARY</b>	Norman Seder   nsede001@ucr.edu 2nd year Bioengineering Undergraduate
<b>PROFESSIONAL DEVELOPMENT</b>	Ernest Romero   erome061@ucr.edu 4th year Bioengineering Undergraduate
<b>MENTORSHIP CHAIR</b>	Amariah Peedikayil   apeed001@ucr.edu 2nd year Bioengineering Undergraduate
<b>OUTREACH CHAIR</b>	Tara Kia   fkia001@ucr.edu 3rd year Bioengineering Undergraduate
<b>SOCIALS &amp; FUNDRAISING CHAIR</b>	Jacob Hensley   jhens010@ucr.edu 3rd year Bioengineering Undergraduate
<b>MARKETING &amp; RECRUITMENT CHAIR</b>	Shubhra Singal   ssing269@ucr.edu 2nd year Bioengineering Undergraduate

## CLUB OFFICERS CONTINUED

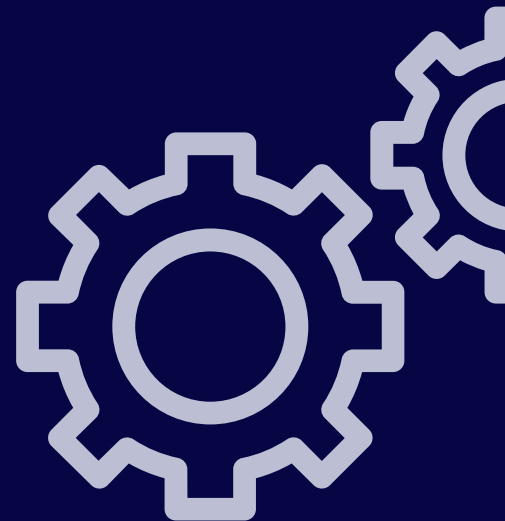
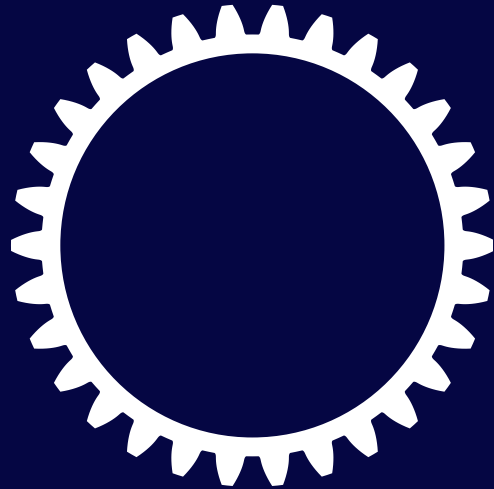
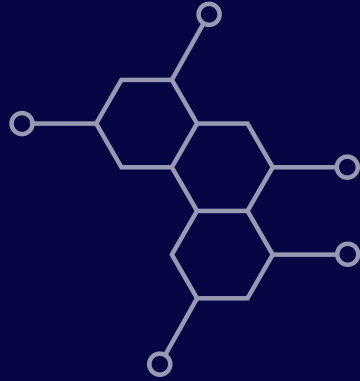
2023-2024 Academic Year

**TECHNICAL DEVELOPMENT CHAIR** George Haddad | ghadd005@ucr.edu  
2nd year Bioengineering Undergraduate

**PROJECT SPECIALIST LEAD** Alexis Studebaker | astud002@ucr.edu  
2nd year Bioengineering Undergraduate

**WEBMASTER** Rutva Doshi | rdosh007@ucr.edu  
3rd year Bioengineering Undergraduate

**FACULTY ADVISOR** Robert McKee  
Assistant Professor of Teaching  
Phone: 1 (951) 827-4914  
Email: rmckee@ucr.edu



## MEMBERSHIP

2023-2024 Total Student Members: 277

National Members: 10

Graduating Members: 35

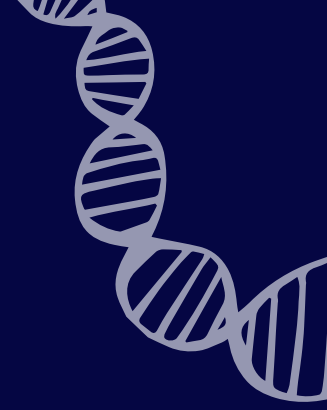
Active Members: 107

## General Body Meetings

Date	Event & Agenda
10/10/23	<b>Officer Introduction</b> New Board introductions - Kahoot with snacks - Upcoming events Q & A - General Announcements
10/23/23	<b>Halloween Kite Social</b> General Announcements - Kite painting - Kite flying
10/24/23	<b>Industry Talk Featuring Dr. Dubem Anyaduba</b> General Announcements - Abbott Presentation - Q&A
11/07/23	<b>Networking Workshop</b> General Announcements - Networking Workshop from UCR Career Center
11/22/23	<b>Heart Rate Monitor Workshop</b> General Announcements - Hands on activity - Students built working heart rate monitors
12/05/23	<b>Hot Chocolate Social</b> General Announcements - Holiday themed activities with xmas cookies and hot cocoa
01/16/24	<b>UCR School of Medicine Introduction</b> General Announcements - MD Candidate Presentation - Q&A
01/30/24	<b>Industry Talk with David Villafuerte of Johnson and Johnson</b> General Announcements - Post graduation career at J&J - Q&A
02/13/24	<b>BMES Internship Panel</b> General Announcements - Presentation on various Southern Cali internships and UCR Research Programs - Q&A
02/27/24	<b>Officer Elections</b> General Announcements - Candidate Speeches - Voting
03/12/24	<b>Super Smash Bros Social</b> General Announcements - Super Smash Bros Tournament
04/11/24	<b>Industry Talks with Boston Scientific</b> General Announcements - Speaker Presentation - Q&A
04/25/24	<b>Senior Design with Dr. McKee</b> General Announcements - Senior Design Introduction - Q&A
05/09/24	<b>Industry Talks With Starlight Cardiovascular</b> General Announcements - Speaker Presentation - Q&A



**BMES**  
AT UCR



University of California,  
Riverside  
Chapter Development Report  
2023-2024



PRESIDENT	VICE PRESIDENT
ERIC HUITT	SAMANTHA TOVAR
<a href="mailto:EHUIT002@UCR.EDU">EHUIT002@UCR.EDU</a>	<a href="mailto:STOVA009@UCR.EDU">STOVA009@UCR.EDU</a>

Our BMES chapter paves the way for students to grow academically, professionally, and socially through our outreach, guest speaker talks, Project Team, and social events. We hope to provide an atmosphere of students dedicated to their mutual personal development for the benefit of the field of bioengineering as we strive for greater pursuits.

## **Executive Meetings**

Biweekly executive meetings are held at a set date and time. Attendance is expected of all officers, unless excused. Each meeting, officers discuss the date, time venue, attendance of upcoming projects, and events in addition to other officer updates. Further details regarding the agenda are outlined below. The dates listed below note the specific dates for executive meetings for the current academic year.

**Fall 2022: 10/3, 10/17, 10/31, 11/14, 11/28, 12/12**

**Winter 2023: 1/9, 1/23, 2/6, 2/20, 3/5**

**Spring 2023: 4/1, 4/15, 4/29**

### **General Executive Meeting Agenda:**

- Date & Time, Location, Attendance
- Upcoming General Body Meeting
  - Date & Time, Location, Topic
- General Updates/Discussion
  - Important documents for reference, chapter goals, reminders
- Quarter Events
  - General list of events with date & time through the quarter
- Officer Updates (Covered officer by officer)
  - Progress since the last meeting, concerns, future plans
- Miscellaneous
  - Documents and contacts for reference
- General Deadlines
- Tasks to be Done ASAP



## VI. TREASURER'S REPORT

Throughout the year, the chapter organized various professional and academic development events to cultivate a bioengineering community at UCR. The chapter received funding from the Associated Students of UCR (ASUCR) and participated in fundraising with UCR Bourns College of Engineering during the Match Challenge for the Dean's Innovation Fund. Additionally, the chapter held fundraisers in collaboration with local businesses and received sponsorships and grants to support its annual hackathon, BearHack. These resources enabled BearHack to host an in-person event, accommodating over 28 teams of undergraduate students. The chapter is grateful for its members' dedication and passion in exploring bioengineering, and it is their enthusiasm for learning and growth that motivates the continuous effort to provide the best opportunities for future researchers, medical device designers, entrepreneurs, and more.

Revenue	Amount
<b>Award Detail</b>	
ASUCR RSO Allocation	\$2,594.00
BCOE Dean's Innovation Fund	\$2,080.88 (Match Challenge)
GCAP Green Grant	\$3,456.00
Applied Medical Sponsorship	\$250.00
MESA Award	\$2,400.00
BMES Outstanding Outreach Program Award BMES	\$1,000.00
<b>Subtotal</b>	<b>\$11,780.88</b>
<b>Fundraising</b>	
10/10/23 Blue Tent Fundraiser - Boba Tea House	\$272.00
11/18/23 Blue Tent Fundraiser - Chick-fil-a	\$258.00
1/24/24 Blue Tent Fundraiser - Boba Tea House	\$432.71
2/26/24 Blue Tent Fundraiser - Boba Tea House	\$303.00
3/5/24 Bj's In-Store Fundraiser	\$53.74
4/11/24 Social Media Crowdfunding	\$135.00
4/19/24 Boba Tea House In-Store Fundraiser	\$32.81
<b>Subtotal</b>	<b>\$1,487.26</b>
<b>Miscellaneous</b>	
29 Paid Members (\$25 for Active Membership)	\$725.00
<b>Subtotal</b>	<b>\$725.00</b>
<b>Total Revenue</b>	<b>\$13,993.14</b>

Expenses	Amount
<b>Leadership Development</b>	
Travel Expenses for BMES Annual Meeting	\$498.62 (Dean's) \$170.82 (Outreach Program Award)
Hotel Expense for BMES Annual Meeting	\$658.25 (Outreach Program Award)
Misc. BMES Annual Meeting Expenses	\$129.69 (Dean's) \$12.55 (Outreach Program Award)
<b>Subtotal</b>	<b>\$1,469.93</b>
<b>Academic Development</b>	
BIEN Mentorship Program	\$118.50 (Dean's) \$43.48 (Off-campus Bank Account)
Projects Team Equipment	\$91.35 (ASUCR) \$30.45 (Dean's)
Bearhack 2024	\$3,456.00 (GCAP) \$250.00 (Applied Medical) \$744.06 (Off-campus Bank Account) \$1,297.33 (Dean's)
<b>Subtotal</b>	<b>\$6,031.17</b>
<b>Professional Development</b>	
General Meetings	\$834.42 (ASUCR) \$55.15 (Off-campus Bank Account)
10 BMES National Memberships 2024-25 (\$30 ea)	\$300.00 (Dean's)
Officer Professional Development	\$32.15 (ASUCR)
<b>Subtotal</b>	<b>\$1,221.72</b>
<b>Outreach and Community Service</b>	
Bioengineering Day	\$399.52 (Dean's) \$311.90 (Off-campus Bank Account)
<b>Subtotal</b>	<b>\$711.42</b>



<b>Club Development</b>	
10/10/23 Blue Tent Fundraiser - Boba Tea House	\$193.67 (Off-campus Bank Account)
11/18/23 Blue Tent Fundraiser - Chick-fil-a	\$196.51 (Off-campus Bank Account)
1/24/24 Blue Tent Fundraiser - Boba Tea House	\$301.78 (Off-campus Bank Account)
2/26/24 Blue Tent Fundraiser - Boba Tea House	\$315.38 (Off-campus Bank Account)
<b>Subtotal</b>	<b>\$1,007.34</b>
<b>Additional Expenditures</b>	
T-Shirts for General Members Order (Previous design)	\$308.58 (ASUCR) \$39.87 (Off-campus Bank Account)
T-Shirts for General Members Order (New design)	\$800.70 (ASUCR)
Graduation Stoles	\$296.04 (Dean's)
Graduation Stoles Embroidery	\$440.44 (Off-campus Bank Account)
Officer Sweaters	\$219.63 (Dean's)
Fundraising Equipment	\$7.47 (Off-campus Bank Account)
Administrative Fees	\$75.00 (Off-campus Bank Account)
<b>Subtotal</b>	<b>\$2,187.73</b>
<b>Expected Expenditures</b>	
Promotional Items	\$150 (ASUCR)
Meeting Expenses	\$250 (ASUCR)
Officer Professional Development	\$125 (ASUCR)
<b>Subtotal</b>	<b>\$525.00</b>
<b>Total Expense</b>	<b>\$13,154.31</b>
<b>Total Expense (after reimbursement)</b>	<b>\$2,724.71</b>

Final Account Balances	Amount
ASUCR (Expires June 2024)	\$1.80
BCOE Dean's Innovation Fund	\$388.43
GCAP Green Grant (Expires June 2024)	\$0
Applied Medical Sponsorship	\$0
MESA Award	\$0
BMES Outstanding Outreach Program Award BMES	\$158.38
<b>Total (2023-2024)</b>	<b>\$731.98</b>



## VII. CLUB ACTIVITIES

This year, our chapter successfully organized a diverse range of events, combining both in-person and online formats to cater to the preferences and needs of our members. We hosted dynamic meetings and interactive workshops, fostering face-to-face interactions and utilizing various online platforms for wider accessibility. Throughout the year, our dedicated team ensured that events from multiple categories were held each quarter, providing our members with enriching experiences and opportunities to explore the offerings of our student chapter.

### CLUB GOALS

#### **Goal 1: Enhance member professional development growth opportunities**

One of our guiding focuses for BMES is to provide invaluable resources and experiences aimed at advancing our members' professional development and growth. We hope to facilitate direct interactions between students and established professionals in the biomedical and biotechnology engineering fields by organizing events with industry speakers, career workshops, networking sessions, and internship panels. We wish to empower our members as they thrive in their future careers by fostering mentorship, guidance, and professional development opportunities.

#### **Goal 2: Further develop interdisciplinary collaborations within the field of bioengineering**

At BMES, we recognize the importance of collaboration and interdisciplinary work in driving innovation and success. We actively seek and approach partnerships with other engineering and science organizations to create an environment that fosters knowledge exchange and innovation. Our aim is to promote collaboration between students from various disciplines, providing them with opportunities to develop projects, participate in symposiums, and showcase their research. This commitment to interdisciplinary collaboration sets us apart and makes us an attractive partner for those who share our vision.

#### **Goal 3: Promote innovation through hands-on experiences**

Through the power of hands-on learning, innovation is at its height. Because of this, we conduct a yearlong workshop series in which our members are able to develop new skills not covered in traditional coursework. Coupled with our project team, hackathon, and design competitions, we hope to develop an environment in which these events serve as conduits for intellectual and technical growth through problem-solving and real-world application.

#### **Goal 4: Continue to strengthen community engagement and outreach initiatives**

By developing a strong and engaged bioengineering community, we have fostered an environment essential to our chapter's success. From this, outreach has remained a constant focus, and we organize programs, community service events, and educational initiatives that address and highlight the societal impact that biomedical engineering has on the community and world. Through local collaborations with elementary, middle, and high schools, in addition, to support from MESA, our dedication to educational outreach in minority-serving areas is reaffirmed as we raise awareness about the STEM field and inspire the next generation of biomedical engineers.



# CALENDAR OF EVENTS AND ACTIVITIES

## CATEGORY KEY

- PD Professional Development
- LD Leadership Development
- AD Academic Development
- OCS Outreach/Community Service
- CD Club Development

### CONTINUOUS

Code	Event	Date
LD	Officer Meetings	Biweekly
AD	Project Team Yearly Project	Biweekly

### Summer 2023

Code	Event	Date
OCS	Student Life Summer Involvement Fair	August 7, 2023
OCS	Student Life Summer Involvement Fair	August 14, 2023

### FALL 2023

Code	Event	Date
OCS	BCOE Transfer Transition Program Info Session	September 21, 2023
OCS	BCOE Student Organization Fair	September 29, 2023
OCS	UCR Fall Involvement Fair	October 4, 2023
PD	Officer Member Introduction	October 10, 2023
CD	BMES Annual Conference	October 13, 2023
CD	Halloween Kite Social	October 23, 2023
PD	Industry Talk ft. Dr. Dubem Anyaduba	October 24, 2023
OCS	R'STEM Student Resource Fair	October 31, 2023



## CALENDAR OF EVENTS AND ACTIVITIES (CONTINUED)

### Fall 2023 (Continued)

Code	Event	Date
LD AD	Mentorship Meet and Greet	November 2, 2023
OCS	BCOE Family Weekend	November 4, 2023
PD	UCR Career Center Networking Workshop	November 7, 2023
CD	Trivia Night with the Transfer Transition Program	November 17, 2023
OCS	Carter High School Visit	November 17, 2023
PD	BMES Heart Rate Monitor Workshop	November 21, 2023
OCS	BCOE Town Hall	November 28, 2023
AD	Project Team Introduction	December 1, 2023
CD	BMES Hot Chocolate Social	December 5, 2023

### Winter 2024

Code	Event	Date
OCS	UCR Winter Involvement Fair	January 10, 2024
PD	UCR School of Medicine Speaker	January 16, 2024
OCS	UCLA x USC x UCR Game Night	January 25, 2024
PD	Industry Talk with David Villafuerte	January 30, 2024
CD	Hot Ones with Faculty	February 15, 2024
PD	Internship Panel	February 13, 2024
LD	Officer Elections	February 27, 2024
OCS	BCOE Town Hall	February 28, 2024
AD	Soldering Workshop	February 29, 2024
CD	BMES Super Smash Bros Social	March 12, 2024



## CALENDAR OF EVENTS AND ACTIVITIES (CONTINUED)

Spring 2024

Code	Event	Date
PD	Industry Talks with Boston Scientific	April 11, 2024
OCS	Highlander Day	April 13, 2024
OCS	Bourns Science and Engineering Day	April 20, 2024
AD	Senior Design with Dr. Mckee	April 25, 2024
AD	BearHack	April 27-28, 2024
PD	BCOE LinkedIn Workshop	May 2, 2024
OCS	Sprout and About	May 3, 2024
OCS	Transfer Highlander Day	May 4, 2024
LD	Officer Picnic Social	May 24, 2024
AD	Graduate Student Researchers	May 9, 2024
AD	Senior Design Bioengineering Day	May 10, 2024
OCS	Dia De Ciencias	May 11, 2024
OCS	BIEN Community Day	May 18, 2024



## VIII. SOCIAL OR OTHER ACTIVITIES

Club development events help with the organization's funding, allowing us to continue hosting a variety of events for our members, as well as improve officer-member relations to create a stronger bond among BMES or between BMES and other BCOE organizations. These events typically consist of social events and BMES merchandise sales.

### SUMMARY OF EVENTS

1	Heart Rate Monitor Workshop	November 21, 2023
2	Trivia Night with the BCOE Transfer Transition Program	November 22, 2023
3	BMES Hot Chocolate Social	December 05, 2023
4	Officer Elections	February 13, 2024
5	Hot Ones with Dr. McKee	February 15, 2024
6	Soldering Workshop	February 29, 2024
7	BMES Super Smash Bro's Social	March 12, 2024
8	Sprout and About	May 3, 2024

### Expected Events

1	Sunset Picnic Potluck Social	May 24, 2024
2	DodgeBall Tournament	TBD
3	Game Night Social - GM 5	June 6, 2024

### TRIVIA NIGHT WITH THE BCOE TRANSFER TRANSITION PROGRAM

**Date of Activity:** 11/22/23

**Platform:** In-Person

**Purpose of Activity:** Social event for people to have fun and connect. The social event was a jeopardy based question

**History of Activity:** First time being done

**Number of Participants:** 52

**Cost of Activity:** \$100

**Description of Activity:** To foster in collaboration between BMES and the college transition transfer program through light competition and interesting topics.

**Evaluation of Activity:** The event went well with a decently large headcount. People enjoyed the questions and food.





### Heart Rate Monitor Workshop

**Date of Activity:** 11/21/23

**Platform:** In-Person

**Purpose of Activity:**

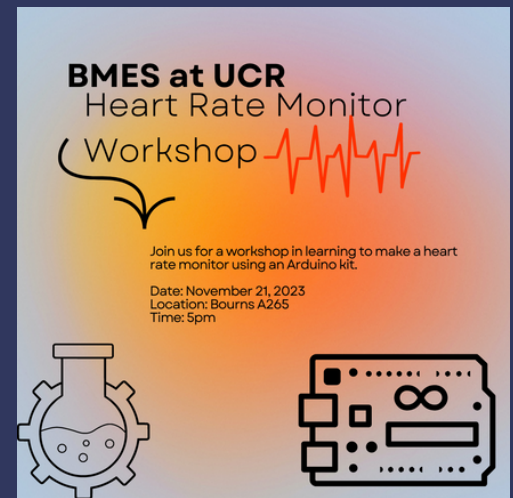
**History of Activity:** First time

**Number of Participants:** 38

**Cost of Activity:** \$0

**Description of Activity:** Students participated in walk through in how to use an arduino kit to make a simple heart rate monitor.

**Evaluation of Activity:** Members appeared to excited to learn how to wire and work an arduino. Members were very happy to see their heart rate work at the end.



### BMES Hot Chocolate Social

**Date of Activity:** 12/05/23

**Platform:** In-Person

**Purpose of Activity:** A fun and silly social activity to de-stress before finals.

**History of Activity:** 2 years

**Number of Participants:** 43

**Cost of Activity:** \$10

**Description of Activity:** Students participated in various holiday trivia and games.

**Evaluation of Activity:** Students appeared to thoroughly enjoy this event as they were able to relax on a cold day while participating in some games and trivia.



### Officer Elections

**Date of Activity:** 02/13/24

**Platform:** In-Person

**Purpose of Activity:** To elect officers for the upcoming academic year.

**History of Activity:** 13 years

**Number of Participants:** 43

**Cost of Activity:** \$22.99

**Description of Activity:** Officers and members gathered to vote for the 24'-25' board

**Evaluation of Activity:** The event went well, candidates were prepared and well spoken, emphasizing their motivation to join BMES at UCR as club leaders.



### Hot Ones with Dr. McKee

**Date of Activity:** 02/15/24

**Platform:** In-Person

**Purpose of Activity:** To get to know faculty member Dr. McKee from the Bioengineering Department and President Eric Huitt in a casual informal setting.

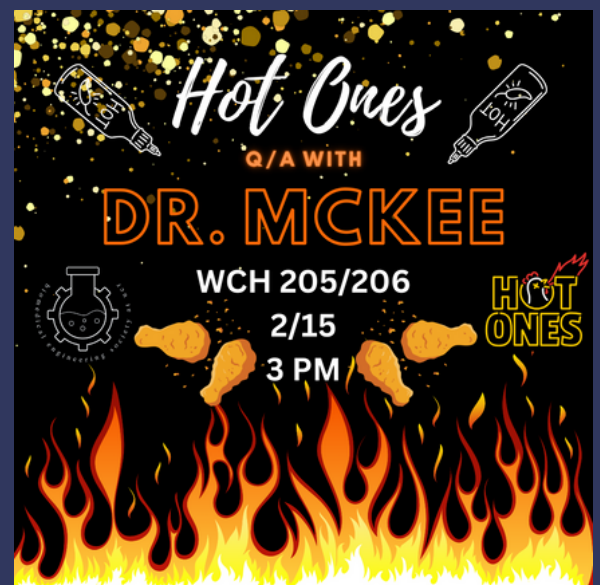
**History of Activity:** 2 years

**Number of Participants:** 25

**Cost of Activity:** \$39.51

**Description of Activity:** Members had the opportunity to ask questions to Dr. McKee and BMES Officers while eating hot wings with increasing levels of spice.

**Evaluation of Activity:** The event had a decent turnout. Attendees asked many questions, leading to laughs, advice and many personal stories.



### **Soldering Workshop**

**Date of Activity:** 02/29/24

**Platform:** In-Person

**Purpose of Activity:** To introduce and teach BMES members how to solder.

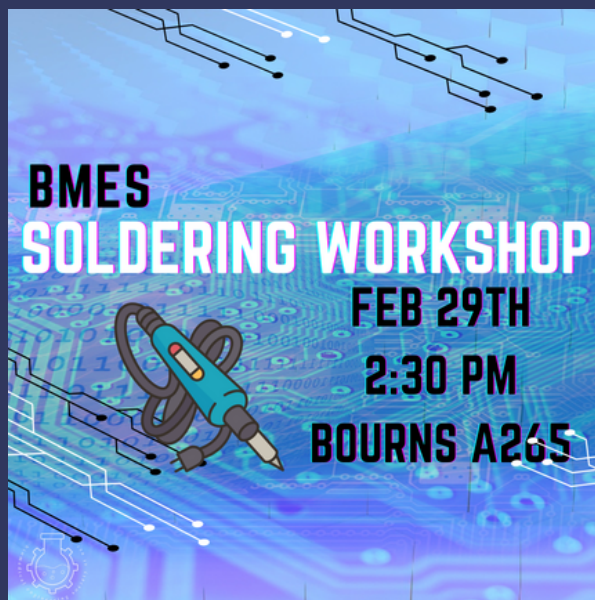
**History of Activity:** 1 year

**Number of Participants:** 25

**Cost of Activity:** \$0

**Description of Activity:** Members had the opportunity to learn how to solder from BMES Officers.

**Evaluation of Activity:** The event went well. There weren't too many people, and I was able to interact with everyone hands-on.



### **BMES SUPER SMASH BRO'S SOCIAL**

**Date of Activity:** 03/12/2024

**Platform:** In-Person

**Purpose of Activity:** Purpose was to have a social where people can compete and have fun with each other over Nintendo Switch games.

**History of Activity:** First time being done

**Number of Participants:** 25

**Cost of Activity:** \$62.86

**Description of Activity:** The event had two Nintendo switches used for playing games with pizza and snacks provided to attendees while they participated in team building games.

**Evaluation of Activity:** The event was enjoyed by members as they were able to relax a bit before final's week began.



## **Sprout and About**

**Date of Activity:** 05/03/2024

**Platform:** In Person

**Purpose of Activity:** To provide an opportunity for incoming officers and outgoing officers to meet other student organizations in BCOE.

**History of Activity:** First time

**Number of Participants:** 70+

**Cost of Activity:** \$101.33

**Description of Activity:** Teaming up with SWE and the Leadership Council in BCOE, we collaborated in bring in all student organizations to collaborate in team build to hopefully host more events together in the future.



## UPCOMING EVENTS

### **SUNSET PICNIC POTLUCK SOCIAL**

**Date of Activity:** 05/24/24

**Platform:** In-Person

**Purpose of Activity:** To host a fun and relaxing bonding experience between current and incoming BMES officers before finals.

**History of Activity:** First time being done

**Number of Participants:** 20 Expected

**Cost of Activity:** \$200 Expected

**Description of Activity:** Officer will come together to play various games such as Spike-ball and Cornhole, while enjoying each others company and watching the sunset.

**Evaluation of Activity:** This has yet to happen as it is an upcoming event aimed to take place on Friday, May, 24th 2024.

### **DODGEBALL TOURNAMENT**

**Date of Activity:** TBD

**Platform:** In-Person

**Purpose of Activity:** To host a social event for BMES members, their friends and college community

**History of Activity:** 1 year

**Number of Participants:** 60 Expected

**Cost of Activity:** \$80 Expected

**Description of Activity:** Students will gather in the teams of 5 to create healthy competition and team building skills.

**Evaluation of Activity:** This is an upcoming event aimed to take place in the first week of June.



### **GAME NIGHT SOCIAL - GM 5**

**Date of Activity:** 06/06/2024

**Platform:** In-Person

**Purpose of Activity:** To host a fun and relaxing bonding experience for our general members through video/board games.

**History of Activity:** First time being done

**Number of Participants:** 25 Expected

**Cost of Activity:** \$100 Expected

**Description of Activity:** Board members will connect by playing video and board games together to further connect and relax before finals.

**Evaluation of Activity:** This has yet to happen as it is an upcoming event aimed to take place on Thursday, June 6th 2024.

# LEADERSHIP DEVELOPMENT ACTIVITIES

Within BMES at UCR, leadership development primarily revolves around event planning. Throughout the year, our officers meet as an entire board on the biweekly basis to plan upcoming events, discuss outreach opportunities and professional development workshops. These meetings are not only limited to professional and community improvement, they are also meant to serve as a staging point for our project team and mentorship program. It is during these meetings that we contact administrators, faculty, staff and guest speakers in order to ensure that all steps have been completed to maximize event attendance, while following all guidelines and rules within the college of engineering. Through these activities, our officers are able to gain the skills needed to participate in meetings effectively while working on their communication skills and other essential skills required to be a professional in the engineering field.

## SUMMARY OF EVENTS

- 1 Officer Meetings
- 2 BCOE Town Halls

Biweekly  
Quarterly

## OFFICER MEETINGS

**Date of Activity:** Biweekly

**Platform:** In-Person

**Purpose of Activity:** These meetings are used to discuss and finalize details for all upcoming meetings, fundraisers, outreach, and mentorship events.

**History of Activity:** Officer meetings have typically been held every other week throughout the academic year beginning the first week of each quarter.

**Number of Participants:** 12

**Cost of Activity:** \$0

**Description of Activity:** Officer meetings are scheduled to last at least 1 hour. Officers are expected to fill out an agenda prior to the meeting followed by a discussion and update for our meeting. In the mean time, the Secretary summarizes notes from both General Meetings and Officer Meetings. Each officer makes announcements about upcoming events and discusses plans and problems with the rest of the board.

**Evaluation of Activity:** After discussing issues at the official meeting, officers planning events receive input from their peers and weigh their opinions to figure out how they will proceed. This is crucial to the continued improvement and running of the organization.



## BCOE TOWN HALL

**Date of Activity:** Quarterly

**Platform:** In person

**Purpose of Activity:** To meet with Bourn's College of Engineering's Dean and assistant Dean to voice our concerns with various aspects of campus in addition to things we like and would want to improve.

**History of Activity:** 2nd Year

**Number of Participants:** 20

**Cost of Activity:** \$0

**Description of Activity:** Present student leaders give a speech on their student organization followed by a brief but in depth conversation with the Dean and various students.

**Evaluation of Activity:** The event organizes the thoughts of the Deans and all BCOE Organizations.



# ACADEMIC DEVELOPMENT ACTIVITIES

Throughout the year, BMES holds various Academic Development events which serve to enhance student success during the year. Through events such as projects and our technical development workshops, our members are able to learn various skills essential to engineering students. By encouraging collaboration and teamwork, our students are able to not only learn but also put their technical skills into practical application, aiding them in their projects and endeavors. In addition to our skill development events, BMES at UCR works with various industry speakers from Abbot, Johnson & Johnson and Boston Scientific to present their findings, highlight their experiences and provide advice. Additionally, students can engage in our accessible health hackathon, BearHack, to explore further opportunities. Workshops led by professionals from sponsoring organizations provide avenues for honing networking, teamwork, and new skill acquisition. Furthermore, Academic Development events introduce students to campus resources and other organizations.

## SUMMARY OF EVENTS

1 Project Team Introduction	October 26, 2023
2 UCR School of Medicine Speaker	January 16, 2024
3 Internship Panel	February 13, 2024
4 BearHack	April 27, 2024

## PROJECT TEAM INTRODUCTION

**Date of Activity:** 10/26/2023

**Platform:** In person

**Purpose of Activity:** To attract students to the BMES annual project and share the registration documents.

**History of Activity:** 2nd Year

**Number of Participants:** 20

**Cost of Activity:** \$0

**Description of Activity:** Freshmen, Sophomores, and Juniors gathered to hear about the opportunity to execute potential project ideas.

**Evaluation of Activity:** The event was initially quiet but picked up and team members were excited to begin building prototypes.





## UCR SCHOOL OF MEDICINE SPEAKER

**Date of Activity:** 01/16/2024

**Platform:** In person

**Purpose of Activity:** To inform General and Officer Members the qualifications required to attend Medical School

**History of Activity:** 2nd Year

**Number of Participants:** 26

**Cost of Activity:** \$0

**Description of Activity:** MD Candidate Mrs. Shloka Homa informed General and Officer Members of her journey as a premed engaging in clinics, working as an EMT/Scribe, and conducting research.

**Evaluation of Activity:** The event was a pleasant experience. It provided Bioengineers with a different path compared to traditional ones such as Industry and Graduate School



## INTERNSHIP PANEL

**Date of Activity:** 02/13/2024

**Platform:** In person

**Purpose of Activity:** To inform General and Officer Members of various Internship and Research Opportunities.

**History of Activity:** None

**Number of Participants:** 37

**Cost of Activity:** \$0

**Description of Activity:** Members (GM/OM) were exposed to various Research and Internship Opportunities. One example was the National Science Foundation REU Program.

**Evaluation of Activity:** The event was successful, as many members signed up on Handshake "Groups".



## SENIOR DESIGN WITH DR. MCKEE

**Date of Activity:** 04/25/2024

**Platform:** In person

**Purpose of Activity:** To help BMES members develop a better understanding of Senior Design and what it entails.

**History of Activity:** 2nd Year

**Number of Participants:** 28

**Cost of Activity:** \$0

**Description of Activity:** OM/GM were informed by Dr. McKee regarding the structure of Senior Design as well as what to expect.

**Evaluation of Activity:** The activity was a success, as members left with more knowledge about the mechanics of Senior Design.



## BEARHACK

**Date of Activity:** 04/27/2024

**Platform:** In person

**Purpose of Activity:** To provide engineering undergrad majors a chance to compete in a friendly match and test their computing skills.

**History of Activity:** Yes, it has been done before

**Number of Participants:** 150+

**Cost of Activity:** \$5,747.39

**Description of Activity:** Students were engaged throughout the 24-hour event while designing and developing their healthcare-themed projects. Many students stayed overnight to complete their projects by the end of the event.

**Evaluation of Activity:** This year had a slight increase in attendees as well as involvement and support from the college.



## IX. INTER CHAPTER ACTIVITIES

BMES Inter-Chapter events provide students with a platform for students from different BMES chapters to come together to foster social connections and learn from each other when exchanging ideas, experiences, and bioengineering programs. Through these collaborative events, we can develop a broader community of bioengineering students. This community can be strengthened and cultivated by establishing recurring activities and involvements.

### SUMMARY OF EVENTS

1. UCLA x USC x UCR Game night

January 25, 2024

#### UCLA x USC x UCR Game Night

**Date of Activity:** 01/25/2024

**Platform:** Zoom

**Purpose of Activity:** To help our members connect with other bioengineers in other schools so we can network with each other.

**History of Activity:** First Time

**Number of Participants:** 50

**Cost of Activity:** \$0

**Description of Activity:** Students from all 3 Universities interacted with one another with a friendly game night.

**Evaluation of Activity:** Overall good, we had more UCR people RSVP than the other schools.



## X. OUTREACH/COMMUNITY SERVICE ACTIVITIES

Before and during the start of the academic year, BMES participates in many community and outreach activities at UCR. Notably in the summer we table for orientation for families that are interested in seeing what BMES offers our members. In kicking off the academic year, the Bourns College Of Engineering (BCOE) and with student life. In these events we get to actively mention BMES and the impact we make on current undergraduates. While actively presenting BMES, other student organization give us the honor of explaining what impact bioengineering has at their K-12 outreach events. Thus helping people understanding what BMES mission is within the bioengineering community.

### SUMMARY OF EVENTS

1	Student Life Summer Involvement Fair	August 7, 2023
2	Student Life Summer Involvement Fair	August 14, 2023
3	BCOE Student Organization Fair	September 29, 2023
4	UCR Fall Involvement Fair	October 4, 2023
5	R'STEM Fair	October 31, 2023
6	BCOE Family Weekend	November 4, 2023
7	UCR Winter Involvement Fair	January 10, 2024
8	Highlander Day	April 13, 2024
9	Bourns Science and Engineering Day	April 20, 2024
10	Sprout and About	May 3, 2024
11	Transfer Highlander Day	May 4, 2024
12	Senior Design Day	May 10, 2024
13	Dia De Ciencias	May 11, 2024
14	BIEN Community Day	May 18, 2024



## STUDENT LIFE SUMMER INVOLVEMENT FAIR

**Date of Activity:** 08/07/2023

**Platform:** In person

**Purpose of Activity:** Introducing BMES to the incoming class of freshmen at UCR.

**History of Activity:** Have done in the past

**Number of Participants:** 30+

**Cost of Activity:** \$0

**Description of Activity:** BMES tables during the first evening of orientation to introduce what we can provide students in their academic journey and help them develop as a professional.

**Evaluation of Activity:** Event went really great! Had a lot of majors outside of bioengineering wanting to join and be active in our upcoming school year!

## STUDENT LIFE SUMMER INVOLVEMENT FAIR

**Date of Activity:** 08/14/2023

**Platform:** In person

**Purpose of Activity:** Introducing BMES to the incoming class of freshmen at UCR.

**History of Activity:** Have done in the past

**Number of Participants:** 30+

**Cost of Activity:** \$0

**Description of Activity:** BMES tables during the first evening of orientation to introduce what we can provide students in their academic journey and help them develop as a professional.

**Evaluation of Activity:** Event went really great! Had a lot of majors outside of bioengineering wanting to join and be active in our upcoming school year!



### **BCOE Student Organization Fair**

**Date of Activity:** 09/29/23

**Platform:** In person

**Purpose of Activity:** BCOE held an introduction to all engineering organizations. BMES had the honor to table and present our organization to all UCR students.

**History of Activity:** First time

**Number of Participants:** 100+

**Cost of Activity:** \$0

**Description of Activity:** BMES officers had an exciting start to the new academic year by presenting BMES to the diverse set of students. We talked about all the events we hope to have throughout the school year!

**Evaluation of Activity:** This event was a great introduction to BMES to the officers that on boarded over the summer.



### **UCR Fall Involvement Fair**

**Date of Activity:** 10/04/2023

**Platform:** In person

**Purpose of Activity:** The purpose of this event is to introduce student organizations to the general student population.

**History of Activity:** Held every Fall Quarter

**Number of Participants:** 15

**Cost of Activity:** \$0

**Description of Activity:** BMES had the opportunity to highlight what our Org does and how students can get involved.

**Evaluation of Activity:** The event went well. Several interested students were able to learn about our BMES chapter and find ways to get involved.



## **R'STEM FAIR**

**Date of Activity:** 10/31/2023

**Platform:** In-Person

**Purpose of Activity:** Introducing BMES to the community of stem majors at UCR and high school students that came to the event.

**History of Activity:** First time

**Number of Participants:** 50+

**Cost of Activity:** \$0

**Description of Activity:** We were invited to table at an event where all the STEM majors and anyone interested in STEM were able to go around to meet other students organizations.

**Evaluation of Activity:** BMES has a lot of biology majors come up to ask what makes us stand out from other clubs. We also had a lot of first year students that showed interest in our project team.



## **BCOE Family Weekend**

**Date of Activity:** 11/04/2023

**Platform:** In-Person

**Purpose of Activity:** Informing families what BMES' impact on the bioengineering department has done and what we do in the spaces provided for our members.

**History of Activity:** First time

**Number of Participants:** 100+

**Cost of Activity:** \$0

**Description of Activity:** Bioengineering Department and BMES showed families how we use spaces available in the college to build our projects and host workshops in. We also got to show our BMES award to families.

**Evaluation of Activity:** The event went great, we had the opportunity to talk to a lot of families that were really interested to see how BMES has a great impact on the bioengineering department.



## **UCR Winter Involvement Fair**

**Date of Activity:** 01/10/2024

**Platform:** In-Person

**Purpose of Activity:** To introduce BMES to incoming students of Winter Quarter

**History of Activity:** Held during Winter Quarter

**Number of Participants:** 30+

**Cost of Activity:** \$0

**Description of Activity:** BMES tables during early Winter Quarter to introduce what we can provide students in their academic journey and help them develop as a professional.

**Evaluation of Activity:** Event was a success. Students were intrigued regardless of their major.





### Highlander Day

**Date of Activity:** 04/13/2024

**Platform:** In Person

**Purpose of Activity:** To provide an opportunity for incoming freshmen to see the campus and check out student organizations and departments on campus.

**History of Activity:** Held every Spring (Not by us but we table)

**Number of Participants:** 100+

**Cost of Activity:** \$0

**Description of Activity:** Students learn about what BMES has to offer in terms of its bioengineering opportunities.

**Evaluation of Activity:** Event went well, as we got a lot of incoming student interest.



### Transfer Highlander Day

**Date of Activity:** 05/04/2024

**Platform:** In Person

**Purpose of Activity:** To provide an opportunity for incoming transfer students to see the campus and get to know the various student organizations/departments.

**History of Activity:** Held every year (Not by us but we table)

**Number of Participants:** 50+

**Cost of Activity:** \$0

**Description of Activity:** Transfer students learn about what BMES has to offer in terms of its bioengineering opportunities.

**Evaluation of Activity:** Event went well, as we got a lot of interest from the transfer students.



## **Senior Design Day**

**Date of Activity:** 05/10/2024

**Platform:** In Person

**Purpose of Activity:** Provide families and undergraduates the opportunity to meet BMES while viewing seniors of the bioengineering year long projects.

**History of Activity:** Held every Spring (Not by us but we table)

**Number of Participants:** 100+

**Cost of Activity:** \$0

**Description of Activity:** Undergraduates learn about what BMES has to offer in terms of its bioengineering opportunities, to help them prepare for senior design.

**Evaluation of Activity:** Event went well, as we got a lot of questions from families on what we did. Dr.McKee allowed BMES officers to present an award to the senior design group that represented BMES values.



## **Dia de Ciencias**

**Date of Activity:** 05/11/2024

**Platform:** In Person

**Purpose of Activity:** Interacting with K-12 students to introduce them to the possibilities of engineering.

**History of Activity:** Held every year (Not by us but we table)

**Number of Participants:** 50+

**Cost of Activity:** \$0

**Description of Activity:** Our officers were invited to table for the Society of Hispanic Professional Engineers (SHPE) to help introduce the different possibilities of engineering. BMES replicated the arduino heart monitor to show the kids how bioengineering has impacted their life.

**Evaluation of Activity:** Event went well, as we got a lot of question from elementary school kids in what was the arduino, they



## Upcoming Events

### BIEN Community Day

**Date of Activity:** 05/18/2024

**Platform:** In Person

**Purpose of Activity:** Introducing bioengineering to the community and the impacts it has made not only around the world but in our local community.

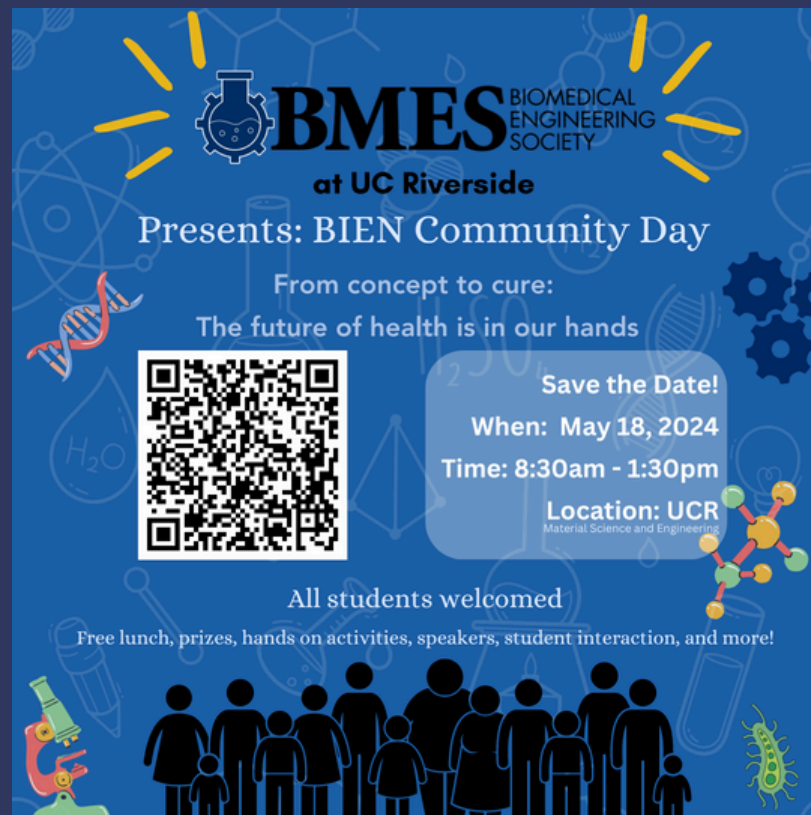
**History of Activity:** Brought back after 5 years

**Number of Participants:** 100+

**Cost of Activity:** \$2,000+

**Description of Activity:** Introduction Bioengineering (BIEN) to K-12 students to introduce the impacts and the exciting activities we do as bioengineers. Our outreach committee has been in contact with school in the Riverside and Inland Empire area to introduce bioengineering.

**Evaluation of Activity:** TDB



The poster features a blue background with various scientific icons including a DNA helix, a microscope, a beaker, a gear, a cell, and a person. The text is centered and reads: "BMES BIOMEDICAL ENGINEERING SOCIETY at UC Riverside Presents: BIEN Community Day From concept to cure: The future of health is in our hands". A QR code is located on the left side. A white box on the right contains the event details: "Save the Date! When: May 18, 2024 Time: 8:30am - 1:30pm Location: UCR Material Science and Engineering". Below this, it says "All students welcomed" and "Free lunch, prizes, hands on activities, speakers, student interaction, and more!". At the bottom, there is a silhouette of a diverse group of people.

**BMES** BIOMEDICAL ENGINEERING SOCIETY  
at UC Riverside  
Presents: BIEN Community Day  
From concept to cure:  
The future of health is in our hands

Save the Date!  
When: May 18, 2024  
Time: 8:30am - 1:30pm  
Location: UCR  
Material Science and Engineering

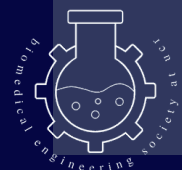
All students welcomed  
Free lunch, prizes, hands on activities, speakers, student interaction, and more!

## XI. MENTORING ACTIVITIES

The BMES Mentorship program has remained dedicated to fostering student success throughout the past 13 years of its existence. By addressing the struggle between navigating academic and professional development, our mentors in the BIG Graduate Student Association are able to provide guidance and tips for success to their undergraduate mentees. By pairing undergraduate students with these mentors, participants gain invaluable skills and insights as they receive personalized guidance from experienced graduate students. Mentees have the opportunity to schedule one-on-one meetings with their mentors to further their professional development and connection with fellow mentors and mentees. This longstanding partnership and tradition within BMES empowers students through networking, new skills, and support as they strive for academic success.

### SUMMARY OF EVENTS

- |   |                   |
|---|-------------------|
| 1. Mentorship Meet & Greet Dinner               | November 2, 2023  |
| 2. Mentorship Winter Meeting: Building Networks | February 22, 2024 |



### Mentorship Meet & Greet Dinner

**Date of Activity:** 11/2/2023

**Platform:** In person

**Purpose of Activity:** At the Meet & Greet Dinner, Mentors will meet their Mentees for the first time! The event outlines the structure for the Mentorship program and facilitates discussion and connection activities between mentor and mentee.

**History of Activity:** Done every Fall Quarter

**Number of Participants:** 14

**Cost of Activity:** \$118.50

**Description of Activity:** Mentors interacted with their Mentees for the first time, sparking the beginning of a friendship.

**Evaluation of Activity:** Very well. There was a good constant flow for the conversations. I could have explained the game better.



### Mentorship Winter Meeting: Building Networks

**Date of Activity:** 02/22/2024

**Platform:** In person

**Purpose of Activity:** The purpose of the event is to cultivate professional development skills. This event focuses on the importance of networking as a tool to develop professional relationships, gain new perspectives, and expand our knowledge and support system.

**History of Activity:** First time

**Number of Participants:** 10

**Cost of Activity:** \$70

**Description of Activity:** We had representatives from the Career Center come and present on how networking and mentorship is interconnected. We put into practice our networking skills as we built connections while building legos.

**Evaluation of Activity:** Very well! These events are meant to be smaller and more intimate. We had a small group but great engagement and responses.



## UPCOMING EVENTS

### SUMMARY OF EVENTS

1. Mentorship Coffee Break

June 4, 2024

#### **Mentorship Coffee Break**

**Date of Activity:** 6/4/2024

**Platform:** In person

**Purpose of Activity:** To host a relaxing, pre-finals networking social event for mentees and mentors to reflect on the year.

**History of Activity:** 2nd year

**Number of Participants:** 10+

**Cost of Activity:** \$50

**Description of Activity:** Students are given a space to interact with and talk to the others in the Mentorship Program while also de-stressing from the upcoming finals.

**Evaluation of Activity:** TBD



## XII. INDUSTRY AND PROFESSIONAL DEVELOPMENT

BMES offers a series of comprehensive professional development workshops for students that are tailored to aspiring engineers' needs. These workshops are conducted in collaboration with the UCR Career Center and the Bourns College of Engineering professional development team to expose students to various workshops vital to their career advancement. Coupled with our professional development collaborations, we strive to provide students with unique opportunities in which they are connected to industry professionals within the expansive field of bioengineering. Our goal is for our students to cultivate meaningful connections with their peers and our guest speakers. These events serve as a foundation for exposing students to the many paths of bioengineering and empowering them to begin their professional journeys with confidence and competence. Our goal is that students not only be excited for the next phase of their careers but also be well prepared and ready with the knowledge and skills essential for success!

### SUMMARY OF EVENTS

1. Officer and Faculty Introduction	October 10, 2023
2. Industry Talk ft. Dr.Dubem Anyaduba	October 24, 2023
3. UCR Career Center Networking Workshop	November 7, 2023
4. Industry Talk with David Villafuerte	January 30, 2024
5. Bioengineering Internship Workshop	February 13, 2024
6. Industry Talks with Boston Scientific	April 11, 2024
7. BCOE LinkedIn Workshop	May 2, 2024
8. Industry talks with Starlight cardiovascular	May 5, 2024



### Officer and Faculty Introduction

**Date of Activity:** 10/10/23

**Platform:** In person

**Purpose of Activity:** Introducing BMES officers and bioengineering Faculty to the general members.

**History of Activity:** Yearly (Usually first general meeting)

**Number of Participants:** 100+

**Cost of Activity:**

**Description of Activity:** Introduction to BMES, as a club, officers and members were mixed into groups to participate in a Kahoot. Afterwards we gave a run down of our mission for their success and had faculty answer question members had.

**Evaluation of Activity:** Wonderful start to the quarter, as a lot of first year student came to witness how meeting work. They got to interact with officers and each other for a great start to the year!



### Industry Talk ft. Dr.Dubem Anyaduba

**Date of Activity:** 10/24/23

**Platform:** In person

**Purpose of Activity:** To share his experiences with medical devices and his R&D and inspire us to keep working on getting as much experience.

**History of Activity:** First time

**Number of Participants:** 31

**Cost of Activity:** \$64.52

**Description of Activity:** Dr. Anyduba, a senior engineer at Abbot, came to share his experiences in molecular diagnostics and the journey .

**Evaluation of Activity:** The event went very well, we had so many questions by the members. He even went into detail about his next goal in his career.





### UCR Career Center Networking Workshop

**Date of Activity:** 11/7/23

**Platform:** In person

**Purpose of Activity:** Networking event hosted through Career Center.

**History of Activity:** 3rd year

**Number of Participants:** 29

**Cost of Activity:** \$53.61

**Description of Activity:** We had a speaker from the UCR Career Center talk about how to network confidently and successfully using the skills you already have.

**Evaluation of Activity:** It went really well; many of our members approached the speaker after the presentation and practiced what they had learned in addition to scheduling future appointments with the career center to get a jump start on their professional careers.

### Industry Talk with David Villafuerte

**Date of Activity:** 1/30/24

**Platform:** Hybrid

**Purpose of Activity:** How to go from being a student to getting into industry.

**History of Activity:** 1st year

**Number of Participants:** 32

**Cost of Activity:** \$64.42

**Description of Activity:** David, a previous BMES alumni, introduced himself and his current job and what it entails from classes offered at UCR.

**Evaluation of Activity:** It went really well; David was able to tell us how he got his job in the industry as well as reflect on his time in BMES with current members. He gave the timeline of how he got into bioengineering. He was also able to hint at how some upper-division courses helped him land his current job.



### **Bioengineering Internship Workshop**

**Date of Activity:** 2/13/24

**Platform:** In person

**Purpose of Activity:** To Introduce BMES members to various internship and research program opportunities at UCR.

**History of Activity:** 1st year

**Number of Participants:** 37

**Cost of Activity:** \$22.99

**Description of Activity:** The event was aimed at highlighting the different industry and academic internships and programs for college students .

**Evaluation of Activity:** The event went very well! We had many new members attend and ask several questions about the different opportunities and how to remain a competitive candidate.



### **Industry Talks with Boston Scientific**

**Date of Activity:** 4/11/24

**Platform:** Hybrid

**Purpose of Activity:** Sharing first-hand experience on how to get into your dream company.

**History of Activity:** 1st year

**Number of Participants:** 25

**Cost of Activity:** \$74.00

**Description of Activity:** UCR Alumni Ashley Thomas told her story about landing her job in Boston Scientific. She gave us insight into what got her into her master's program two years after graduating.

**Evaluation of Activity:** The event went well. Many members asked various questions, ranging from the gap between industry and masters to how she moved from California to Philadelphia.



### **BCOE LinkedIn Workshop**

**Date of Activity:** 5/2/24

**Platform:** In person

**Purpose of Activity:** LinkedIn event hosted through a collaboration with the Bourns College of Engineering Professional Development Team.

**History of Activity:** 1st year

**Number of Participants:** 15

**Cost of Activity:** \$38.88

**Description of Activity:** In-depth examples of what an aspiring engineer's LinkedIn profile should look like, as well as examples of what experienced engineers have.

**Evaluation of Activity:** The workshop went very well; we had several members asking questions, updating their LinkedIn on the spot, and scheduling meetings with the professional development team to aid in their endeavors.

### **Industry talks with Starlight Cardiovascular**

**Date of Activity:** 05/09/24

**Platform:** In person

**Purpose of Activity:** Introducing more industry experiences to members.

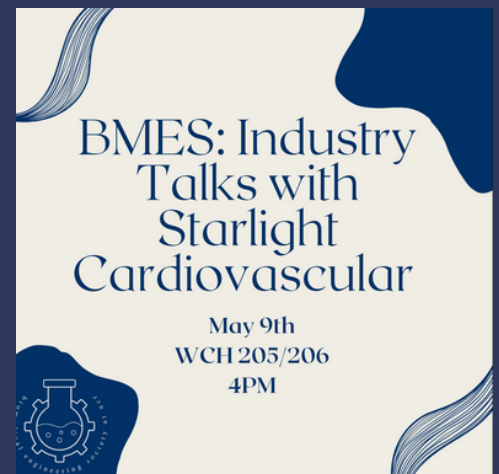
**History of Activity:** 1st year

**Number of Participants:** 30

**Cost of Activity:** \$99.44

**Description of Activity:** Ryan from Starlight Cardiovascular presented his journey into getting into the industry.

**Evaluation of Activity:** A lot of members enjoyed Ryan's presentation as he went into detail about how he got to his current position. He talked about his failures throughout his undergraduate years, but he was still about to graduate and land his job at Starlight Cardiovascular.



### XIII.NATIONAL BMES MEETING

BMES at UCR had the privilege and opportunity to attend the BMES Annual Meeting in Seattle, Washington, this year. We were recognized for our educational outreach endeavors within the community. Our chapter's work in community outreach, service, and STEM volunteerism demonstrated our program's positive impact on the local Riverside community and the greater Inland Empire. This year, our chapter was recognized for our Outstanding Outreach Program. At the conference in Seattle, President Eric Huitt accepted the award, followed by a few brief words of gratitude at the Student Chapter and High School Poster Competition Award Ceremony. President Eric Huitt participated in the Making Your Chapter Thrive discussion panel the following day. Here, Huitt represented BMES at UCR as a panelist and spoke about the various components essential to our chapter's success and extraordinary year. Huitt also highlighted the success of our chapter and advised other chapters on how to increase involvement, programs, mentorship, and much more. Our BMES representatives also connected with chapter leaders from the University of California, Los Angeles, and the University of Southern California, ultimately developing professional relationships and partnerships for future collaborative events. Recognition of our community-focused efforts not only reaffirms our motivation and dedication to the education of underrepresented communities in STEM but will also play a significant role and continue to guide the management and operation of our organization with the support of BCOE and the BMES National Charter. Overall, the national meeting was a wonderful experience, allowing attending officers to advance their professional careers, connect with graduate programs, learn about groundbreaking research, and increase inter-chapter collaborations throughout the greater Southern California area.



## XIV. FUTURE DIRECTION

For the 2023–2024 school year, with this being the first full academic year that students return to in-person instruction, without the sudden adjustment to the new student life that is unlike pre-pandemic conditions has been an important factor within our officers as we have new leaders join our board. As a part of trying to return to normality, our goals expand to increasing member participation, hosting events tailored towards members, building new connections with campus organizations, and fully adapting to in-person operations.

Internally, given that this year we have a majority of new officers eager to learn within student leadership, we have focused on ensuring that all officers have been transitioned properly and are supported in their position. Recognizing their drive and the goals that they have for themselves, we have aligned both the organization goals and their personal goals with this year's plans so as the organization grows and officers individually grow as well.

Through the leadership of this board, we are able to garner the attention of bioengineering students and increase member participation, so much so that our social media following has increased to more than 800 followers and our roster has maintained to 200+ students. Seeing that this class of engineering students is quite interested in medical school, we have tailored our events to this class by hosting events with UCR School of Medicine, in addition to our events regarding industry and graduate school. A highlight of this year has been the start of our organization's projects team which has been implementing design and technical skills to develop a wound cleaning device. With an environment focused on learning, students of any year have the freedom to do hands-on work in a team setting and exercise creativity for solutions towards an issue of their choice. To promote community, the majority of our events have been held in-person only and we have brought back our healthcare hackathon with a name change to Bearhack and have continued to plan for larger events.

For the following year, we intend to extend the transition process from the start of the spring quarter of the previous school year into the summer before the beginning of the new school year. During the summer we intend to have check-ins, where brainstorming would be encouraged and give time towards officer bonding for a head start to the new school year. The goals of the 2024–2025 school year will be a combination of goal continuation from this previous school year as well as emphasizing networking in order to provide further professional development opportunities for members. This will be achieved through the set goals of increasing meeting attendance, increasing the number of social events designed to improve bonding and interpersonal skills between members, as well as prioritizing networking with other BMES chapters online or clubs in the college to help increase members' interpersonal skills. In practice these goals will be achieved through biweekly meetings between officers, followed by subsequent meetings with designated faculty and staff that are required for the event/program to be successful.



## XIV. FUTURE DIRECTION

In order to continue increasing membership and meeting attendance, we as an organization will focus on feedback surveys at the conclusion of each General meeting and Social event in order to gauge what went well and what needs improvement for future meetings. With this feedback in mind, social and team building event frequency can be increased such that member involvement and participation will follow suit and result in bonding experiences that promote growth and comradery. This can be conducted through the continuation of our annual dodgeball tournament, bio-focused hackathon, and holiday themed events as well as potential ideas such as movie nights, board game socials, s'mores making and gingerbread house contests. However, in order for these social events to occur in addition to our development activities, members need to find ways to connect with people. In prior years, we have had great relationships with other organizations in the college. To help our members gain interpersonal skills, it would be a great pleasure to be in contact with other charters, thus having our members gain connection. Similarly, professional development can occur through a variety of events whether it is through guest speakers, hybrid events and workshops. These events can be improved upon and expanded to social events, and even an increase in professional development with collaboration of lab tours and speakers.

It is through the achievement of these goals that members will be able to take full advantage of all that our student organization has to offer in a fun and engaging manner that not only develops and improves their technical and professional skills as bioengineering students but also contributes to the positive and constructive environment that is vital for engineering students to succeed.

