SOPHMORE OR FRESHMAN IN MSE?

# MEET YOUR STUDENT MENTORS

https://forms.gle/cKbi1SpCbKQJ6TWe6

MSE Mentor Corps kick-off event - connect with upperclassmen mentors with academic and industry experience over crafts and games.

**November 4th 6-8pm**

**ACS (ARMS 2201)**

MSE MENTOR CORPS

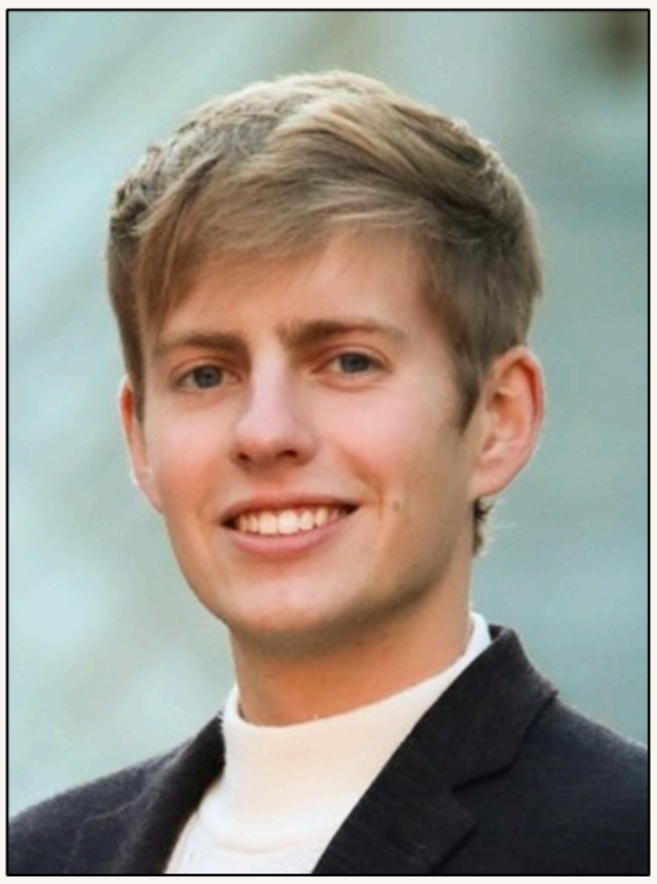
# MEET YOUR MENTORS

MSE MENTOR CORPS

## Han Burgess

Junior | Burges28@purdue.edu

**Why MSE:** The chemistry and hands-on approach.
**Why mentoring:** Previous mentorship experience and would have loved having this program when I was younger.
**Work experience:** Rolls-Royce internships in failure investigation and non-destructive.
**Research:** Superabsorbent polymers and concrete (Prof. Erk).
**Future Goals:** R&D (polymer industry), possibly 4+1 masters.
**Hobbies:** Spikeball, blacksmithing, IM sports, weightlifting, donating blood, volunteering at local dog shelter.



## Thomas Deucher

*Senior | tdeucher@purdue.edu*

**Why MSE:** Leading edge technologies.
**Why mentoring:** Freshman year received informal mentorship from Akul Seshadri through Blacksmithing.
**Work experience:** Battelle, NASA, and SpaceX in high temperature and sensing materials.
**Research:** Ceramics additive manufacturing (Prof. Trice) and machine learning for experiments (Profs. Titus and Strachan).
**Future Goals:** PhD to leading a research team.
**Hobbies:** Roller-skating, saxophone, drawing, reading.

## Brianna Hensley

*Junior | Bhensle@purdue.edu*

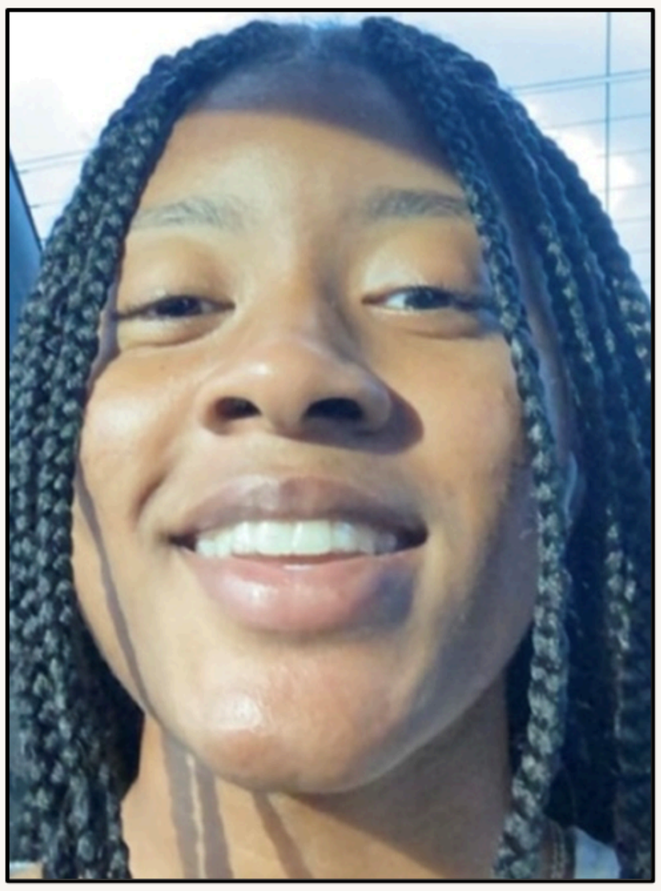
**Why MSE:** Hands-on aspect and use of chemistry.
**Why mentoring:** As an MSE Ambassador, looking to promote tight-knight community of MSE students.
**Work experience:** Co-op student through Office of Professional Practice, metallurgical engineering at Copeland and manufacturing engineering at Owen Corning.
**Future Goals:** Hands-on metallurgy, manufacturing plant.
**Hobbies:** Volleyball, swimming, baking, MSE Ambassadors, SWE, IM sports, and reading.

# MSE Mentor Corps

## Logan Mick

Senior | Lmick@purdue.edu

**Why MSE:** Blend of chemistry and physics.
**Why mentoring:** Upperclassmen helped throughout classes during first few years, method of paying it forward.
**Work experience:** Portland Forge as process engineer.
**Research:** Undergraduate and summer research on hydrogel additives for concrete and mortar strength (Prof. Erk).
**Future Goals:** PhD in modeling of steel (Prof. Krane).
**Hobbies:** 3D printing, design, video and board games, cooking, watching football/basketball, Tau Beta Pi, PUMA.



## Sabria Nesmith

*Senior* | *snesmith@purdue.edu*

**Why MSE:** Versatility and hands-on nature of the major.
**Why mentoring:** Looking to share enjoyment in MSE.
**Work experience:** TA for FYE and undergraduate research.
**Research:** CdTe solar cell defect analysis (Prof. Mannodi) and machine learning force field for carbides (Prof. Strachan).
**Future Goals:** Professional masters, move into leadership, and work on characterizing materials.
**Hobbies:** Volleyball, gym, traveling, movies, cooking, reading, bowling, go-karting, painting.

## Emma Sampey

*Junior* | *esampey@purdue.edu*

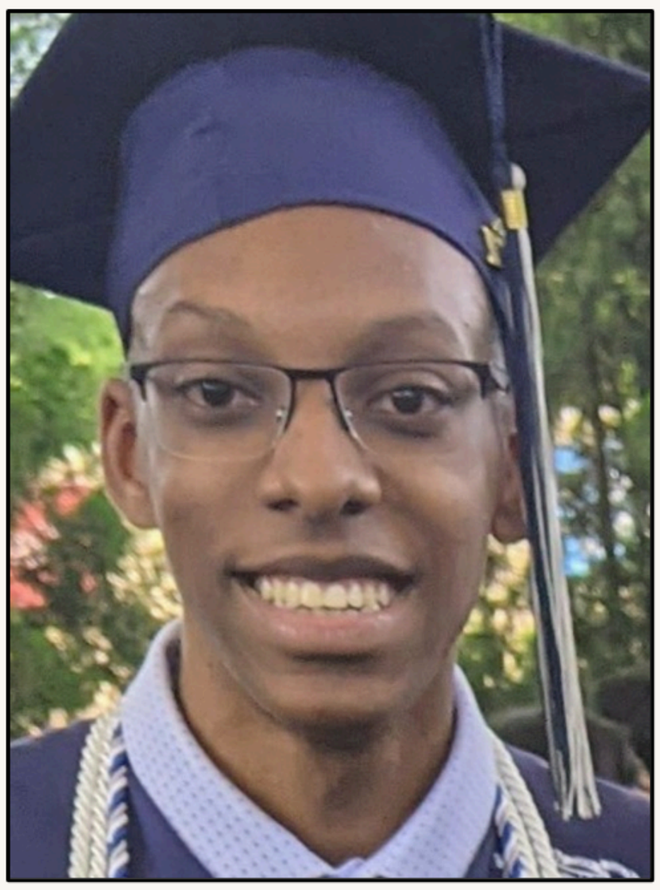
**Why MSE:** Involved with EPICS project introducing MSE.
**Why mentoring:** Freshman year had mentoring offering familiarity in MSE, and currently is an MSE Ambassador.
**Work experience:** Caterpillar Co-op working in heat treat, data management, failure analysis, and R&D. At Purdue was able to work on the 2024 Cast in Steel competition for the Halligan bar.
**Future Goals:** Pursue masters through 4+1 program.
**Hobbies:** Corec, studying with friends, knitting, boba.

MSE MENTOR CORPS

## Reece Tippery

Junior | rtippery@purdue.edu

**Why MSE:** Leveraging chemistry and physics at atomistic level to enable advancement of frontier of technology.
**Why mentoring:** Foster the department's positive attributes.
**Work experience:** Purdue Energetics Research Center and Maine Advanced Structures and Composites summer research in polymeric material characterization.
**Research:** Rheology of hydrogels (Prof. Erk).
**Future Goals:** PhD in MSE.
**Hobbies:** Cooking, baking, IM volleyball.



## Nate Weddington

*Senior | nwedding@purdue.edu*

**Why MSE:** Chemistry, physics, and relevant research.
**Why mentoring:** Received help as an underclassman.
**Work experience:** Northrup Grumman in development and design of test plans, parts, and thermal analysis of materials.
**Research:** Semiconductor and microelectronics with low temperature SnBi solder (Profs. Handwerker and Blendell).
**Future Goals:** Enter industry at Northrup Grumman.
**Hobbies:** Basketball, new foods, travel, IM sports, NSBE, SCALE, being a "funny guy".

## Evan Williams

*Senior | will2459@purdue.edu*

**Why MSE:** Read about shear thickening in body armor in high school, researched what degree works on that science.
**Why mentoring:** Looking to grow the MSE community.
**Work experience:** Cook Polymer Tech as validation engineer. Full and part-time research at Purdue.
**Research:** Soft material mechanics, liquid crystal phase characterization, rheology (Prof. Erk).
**Future Goals:** Continue education with PhD.
**Hobbies:** Cooking, F1 racing, cricket, hockey.