

Soft Matter REU application: Summer 2025

This is the main application form for CSU's Soft Matter REU.

Before you begin this application please have the following:

- A ranked list of the projects at:

<https://artsandsciences.csuohio.edu/physics/reu-available-projects>

In addition to this application please prepare the following documents and email them to softmatterreu@csuohio.edu. Files must be pdf and the filename should include your last name and first initial and description of what it is. Example:

BickelJ-ResearchStatement.pdf and BickelJ-transcript.pdf.

- A 1 page research statement that addresses (a) why you are interested in research and (b) why you are specifically interested in this REU site/project
- A 1 page statement that addresses a time that you overcame an obstacle or challenge. This can be either in your academic/research life or in your personal life
- An *unofficial* transcript

Please request that two letters of recommendation on department letterhead be emailed by your letter writers directly to: softmatterreu@csuohio.edu

Our priority deadline is February 14th and we look forward to begin making offers in early March. If you have any further questions, please do not hesitate to

1. First name *

2. Last name *

3. Any alternate name you may be called by a letter writer

4. Email (This is our main method of contacting you so please double check that you input it without typos) *

5. University/College *

6. Major (Check all that apply) *

- Physics
- Chemical Engineering
- Biomedical Engineering
- Math
- Applied Engineering
- Chemistry
- Computer Science or Computer Engineering
- Materials Science & Engineering
- Other

7. Minor (Check all that apply) *

- Physics
- Chemical Engineering
- Biomedical Engineering
- Math
- Applied Engineering
- Chemistry
- Computer Science or Computer Engineering
- Materials Science & Engineering
- Other

8. GPA *

9. Academic Status in January 2025 *

- Freshman
- Sophomore
- Junior
- Senior
- Other

10. Expected Graduation *

- December 2025
- May 2026
- December 2026/May 2027
- December 2027/May 2028
- December 2028/May 2029
- Other

11. Phone (that you can be reached at) *

12. School city/state *

13. Home city/state *

14. Preferred Mailing Address if you are accepted *

15. Please let us know the name and email address of the two people who will separately submit your letters of recommendation *

Demographics

The National Science Foundation and Cleveland State University seek to include underrepresented students in the REU program.

16. Citizenship status *

- I am a U.S. Citizen or Permanent Resident (Green Card holder)
- I am NOT a U.S. Citizen or Permanent Resident

17. Gender Identity *

- Woman
- Man
- Non-binary / Non-conforming
- Transgender
- Prefer not to answer

18. Which of the following best describes you *

- Heterosexual or Straight
- LGBTQ+
- Prefer not to answer
- Other

19. Race/Ethnicity (choose all that apply) *

- American Indian/Alaska Native
- Asian
- Black/African American
- Hispanic/Latinx
- Native Hawaiian/Pacific Islander
- White
- Prefer not to answer

20. Do you identify as a person with a disability or other chronic condition? *

- Yes
- No
- Prefer not to answer

21. Are you a veteran? *

- Yes
- No
- Prefer not to answer

Courses

Please let us know about the STEM classes that you have either completed or are currently enrolled in

22. Math *

- Calculus I
- Calculus II
- Calculus III
- Differential Equations
- Linear Algebra
- Abstract Algebra
- Other

23. Physics *

- Calculus-based Physics I
- Calculus-based Physics II
- Modern Physics
- Thermodynamics
- Upper-level Mechanics
- Upper-level E&M
- Quantum Mechanics
- Intermediate Physics Lab (beyond Physics I and II)
- Other

24. Please list any additional Math/Science/Eng Courses that you have completed or are currently enrolled in *

Research Interests

For more detail about the available projects please visit: <https://artsandsciences.c-suohio.edu/physics/reu-available-projects>

25. For each of the following projects, please rank your interest. Please choose **only 1 project for 1st, 2nd and 3rd choice** and then rank the remaining projects as Interested or Non Interested *

	1st choice	2nd choice	3rd choice
Studying Volume Phase Transition of Polymeric Microgels with Dr. Streletzky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Confinement Effects in Polymer-Grafted Nanorod Solutions with Drs. Hore and Streletzky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Design, Expression, and Characterization of Protein-Based Materials with Dr. Holland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enhancing Electron Imaging Capabilities of Soft Matter Systems with Drs. Fodor and Streletzky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Phase Changes in Absinthe with Drs. Bickel and Resnick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crystallization of Anisotropic Particles with Drs. Wirth and Bickel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- Mathematical Modeling and Simulation of Active Biosystems and Biomaterials with Dr. Ryan
- The with Dr. Ryan
- rest in the CSU Soft Matter REU. This is your completed application
- Microfluidic Reactors and Emulsifiers with Drs. Kothapalli and Fodor
26. I will/have already emailed a ~1page statement of research to softmatterreu@csuohio.edu
- Flowing Past Cilium with Dr. Resnick
- tatement should address why you are interested in the Soft Matter REU program/projects and in general. Please submit as a pdf.) *
- Waste of Energy via Chemical Reactions in Multiphase Environments with Dr. Gatica
- ~

27. I will/have already emailed a ~1page statement of overcoming an obstacle/challenge to softmatterreu@csuohio.edu (Please submit as a pdf) *

- True
- False

28. I will/have already emailed a copy of my unofficial transcript(s) to softmatterreu@csuohio.edu *

- True
- False

29. I have requested my letters of recommendation and they will be/have already been emailed to softmatterreu@csuohio.edu *

- True
- False

30. Please tell us the names/email addresses of your two letter writers *

31. How did you hear about us?

- REU flyer
- department chair
- SPS or other student org advisers
- SPS jobs site or other Job Sites
- Advertising by REU faculty/students/friends at conferences (CUWiP, APS meeting, etc) or in-person visits
- SPS's HowToREU webinar
- friends/advisers
- REU website and Social Media
- Other

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