“The Ins & Outs of Finding Research as a Community College Student”

Tiffany Reardon, REUFinder

Tiffany Reardon, My Professional Profile

Skyline COLLEGE

MESA Mathematics Engineering Science Achievement

Berkeley Engineering

REUFinder

T-PREP
Transfer Pre-Engineering Program

Tiffany Reardon, True Hollywood Story

Student Parent, First Gen College Student

Skyline COLLEGE

First Gen Professional

MESA Mathematics Engineering Science Achievement

Sociologist in a Sea of STEM Folks

Berkeley Engineering

Engineer by Osmosis

REUFinder

Imposter syndrome no more!!!

T-PREP
Transfer Pre-Engineering Program

I know a thing or two about transfer students

A “One Stop Shop” for opportunities, advice, and funding!!!

Scholarships

REU’s

Conferences

REUFinder.com

UC Davis Pre-Health Conference

Saturday, October 5th

https://prehealthconference.ucdavis.edu/

Very Interested in Community College Students!!!

No Coding experience required!!!

Sign up Link

Who's Here? What's Your Major?

Astronomy
Biology
Chemistry
Computer Science
Data Science
Engineering
Mathematics
Physics
Pre Med
Pre Pharmacy
Pre Vet

"I'm keeping my options open" (Undecided)

Where are you from ?

Nor Cal

So Cal

Central Valley

Out of State

Outside the US

Why do Research?

Why Do Research as a Community College Student?

- Can strengthen your transfer applications
- Demonstrate interest in the major
- Demonstrate understanding of the applications of your major
- Build connections at your dream university

Types of Programs

Summer Enrichment Programs

Summer Research Experience for Undergraduates Programs
REU’s

Academic Year Research(community college faculty/
Partnerships with local universities)

We speak in Acronyms

NSF
REU
NIH
AAMC
ABRCMS
SACNAS

Applying to Research Programs

Finding your Research Opportunities

REUFinder
https://reufinder.com/

AAMC
https://www.aamc.org/

Pathways to Science
pathwaystoscience.org/Undergrads.asp

NSF REU Search
http://www.nsf.gov

Tip: Only apply to programs you are eligible or qualified for!

Terms you may encounter

- Rolling Admissions

- Rising Sophomores
  Rising Juniors
  Non-graduating Seniors

- PI (Principal Investigator)

- Students from institutions with limited research opportunities
- First Generation College Student

What is the application process like?

- Transcripts
- 2-3 Essays
- Resume or CV
- Letters of Recommendation

Letters of Recommendation

YES!

STEM Faculty

Counselors

MESA Directors

STEM Center Directors

Supervisors/Managers

NO!

Friends or Family Members

Classmates

Letters of Recommendation

Grades alone will not give you a strong letters of recommendation.

Office Hours

Participation

Connecting with People

RESUME Vs CV

Usually One Page

Short & Sweet

Summarizes Experience

CV

More in-depth

More Research Focused

Can be more than one page

What to include on your Resume or CV

Education

Courses Taken

Work Experience

Projects

Leadership

Volunteer Experience

May include research interests and hobbies

Typical Essay Questions

- Please explain why you wish to conduct summer research *of the type offered by the program* and how this relates to your overall interests and goals.

- Describe a major challenge (personal, professional, and/or engineering) you have encountered in your life, how you overcame it, and what you learned as a result of the experience.

Tips for Successful Applications

- If you have uncertainties, ask *before* you apply.
- Read FAQ's.
- Be sure that your schedule permits full participation in the program.
- Meet all deadlines, don't ask for extensions.
- Apply to more than one program.
- Verify that your application has been received.

Where Can I Do Research?

Where will YOU do Research?

University

Hospital

National Lab

Combo of Both

SHPEP

Summer Health Professions Education Program

Dental

Medicine

Nursing Pharmacy

Physical Therapy

Public Health

Optometry

Freshmen or Sophomore

Minimum 2.5 GPA

Deadline February 5th

12 Sites throughout the US

https://www.shpep.org/

SHPEP

Academic enrichment in STEM Classes

Career development activities.

Learning and study skills workshops.

Exposure to clinical settings.

Workshops in financial planning and health policy.

Interprofessional education that addresses effective collaboration across health professions.

https://www.shpep.org/

NIH Community College Summer Enrichment Program (CCSEP)

Office of Intramural TRAINING & EDUCATION NATIONAL INSTITUTES OF HEALTH

National institutes of Health SIP Programs

NIH campus in Bethesda, MD. However, there some opportunities to be placed in Baltimore, MD; Frederick, MD; and NIEHS (Raleigh, NC).

Paid Program All Majors but students should have completed STEM/Health Related courses such as Bio, Chem and Math

https://www.training.nih.gov/programs/sip

National institutes of Health

High School SIP (HS-SIP)
Community College Summer Enrichment Program (CCSEP)

College Summer Opportunities to Advance Research (C-SOAR)

Amgen Scholars Program at NIH

https://www.training.nih.gov/

Buck Summer Scholars Program

Summer Scholar participants will conduct biomedical research to combat diseases of aging, such as Alzheimer's, Parkinson's, cancer, macular degeneration, heart disease, and diabetes.

The Program emphasizes both laboratory and communication skills training to develop well-rounded future scientists, healthcare professionals, and policy makers.

https://www.buckinstitute.org/

ToxMSDT at UC Davis

TOXICOLOGY MENTORING AND SKILLS DEVELOPMENT TRAINING

Hybrid Program

This is a one-year toxicology mentoring and skills development training program.

Applications open in February

https://www.toxmsdt.com/

Pre Med Summer Programs

Stanford University

Canary Cancer Research Education Summer Training (CREST) Program

Stanford Summer Community College Premedical Program (SSCCPP)

AMGEN Scholars Program

Science Technology and Reconstructive Surgery Program

Baylor College of Medicine

Baylor University

https://www.bcm.edu/

Johns Hopkins Summer Internship

The Summer Internship Program (SIP) provides experience in biomedical and/or public health research to students from a variety of backgrounds - including students from racial/ethnic groups underrepresented in science and medicine, students from low-income/underserved backgrounds, and students with disabilities. The program provides research exposure for those interested in potential careers in science, medicine and public health

https://www.hopkinsmedicine.org/som/pathway/sip.html

Mayo Clinic

The Mayo Clinic Summer Undergraduate Research Fellowship.

- Biochemistry and Molecular Biology
- Biomedical Engineering and Physiology
- Clinical and Translation Sciences
- Immunology
- Molecular Pharmacology and Experimental Therapeutics
- Neuroscience
- Regenerative Sciences
- Virology and Experiments

https://college.mayo.edu/

Memorial Sloan Kettering Cancer Center

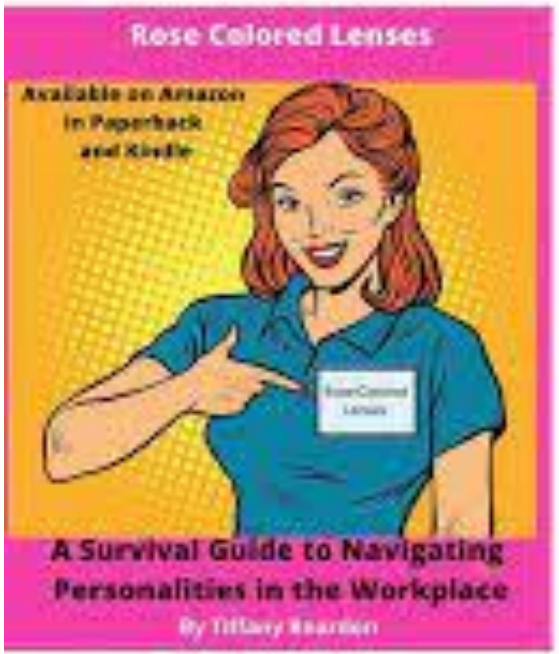
- Summer Undergraduate Research Program (SURP)
- Chemical Biology Summer Program (ChBSP)
- Computational Biology Summer Program (CBSP)
- Engineering Summer Program (ESP)
- Molecular Imaging Summer Program (MISP)
- Quantitative Sciences Summer Undergraduate Research Experience (QSURE)
  https://www.mskcc.org/education

Questions

Let's keep in touch!

REUFinder

Tiffany Reardon



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★★★★★

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