

NAZARETH COLLEGE

Chemistry and Biochemistry Department

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The Nazareth Summer Research Program for High School Students

Program description

For a quick overview of the program, we urge you to have a look at two short videos (and associated print material and still photos) at the following sites:

1 minute video from the summer 2017 program:

<https://www2.naz.edu/stories/gaining-clear-perspective-summer-research>

2 minute infographic video:

<https://www2.naz.edu/stories/cutting-edge-science>

Last year's program was a significant success. We looked at the chemistry and biology of waters in the lower Genesee watershed and found some striking results, which culminated in two presentations at the National Meeting of the Geological Society of America (with the summer students as co-authors!).

This summer we will continue our efforts to analyze and clean up local surface waters, with a greater emphasis on developing bioremediation technologies. We will also embark on a new project with a strong public health component. Students will use state of the art equipment at a state of the art facility – Peckham Hall, which was recently cited as one of the best undergrad lab facilities in the nation. The projects will also involve substantial field work, all at local sites.

The program will be coordinated by Professors Padmini Das (Biology) and Dave Giacherio (Chem/Biochem), along with two talented and experienced undergrad mentors.

The program runs for the first five weeks of the Summer B session at Nazareth, starting July 2. Students will work 20 hours per week, and be paid \$12 per hour. This is not a residential program; students are responsible for transportation to and from Nazareth. Note, however, that all field work will involve Nazareth vehicles.

We are looking for bright, committed students who can work together and drive this important research effort.

For questions or further information, please contact either Dr. Das (pdas8@naz.edu) or Dr. Giacherio (dgiache1@naz.edu).