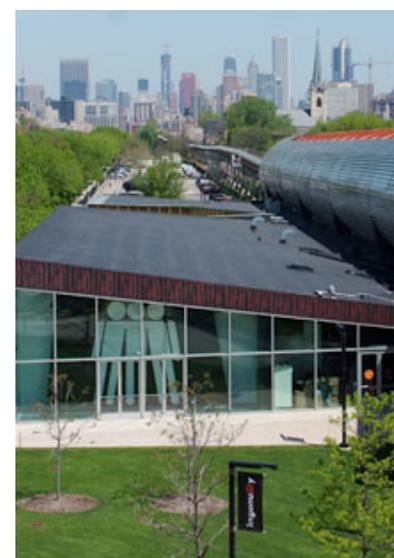


**Illinois Institute of Technology**  
**Summer 2016 Engineering Research Experiences for Undergraduates in Diabetes**  
<https://reumanager.com/iit-diabetes>

In the Engineering Center For Diabetes Research and Education (ECDRE) researchers at the Illinois Institute of Technology (Illinois Tech) collaborate with basic scientists and clinicians applying engineering techniques towards the understanding and treatment of diabetes and its complications. The Biomedical Engineering Department at Illinois Tech and ECDRE provides the foundation for this **10-week summer program**. Students will be paired with faculty to **complete a diabetes related research project working with a faculty mentor from Illinois Tech**. Diabetes is a complex disease that can lead to a number of health complications. The projects offered in this program reflect this diversity, with topics in biomaterials for islet cell encapsulation, models of glucose metabolism, imaging techniques for prognosis/diagnosis of disease, regeneration strategies for the treatment of ulcers and ischemic limbs and vascular changes in diabetic retinopathy. You can find out more about previous research performed and the application process at <https://reumanager.com/iit-diabetes>

**Social and Outreach**

Students in the program get to spend a summer in one of the most dynamic cities in the United States. Illinois Tech's Mies van der Rohe designed campus is a national historic site, located just south of Chicago's Loop. The location allows students to enjoy Chicago's extensive list of summer festivals, cultural experiences, and sporting events. Students also participate in outreach programs with a high school program on Illinois Tech's campus.



**Research Ethics**

Biomedical research presents complex ethical challenges. Ethics discussion and training are integrated into the student experience. These activities are organized with Illinois Tech's Center for the Study of Ethics in the Professions.

**Program Information**

The program is 10 weeks, from early June to August. Students will receive a stipend, an option for housing support and support for travel to and from Chicago. In addition, students will receive support for travel to the annual meeting of the Biomedical Engineering Society.



**Eligibility**

1. Students should have a declared engineering or science (biology, chemistry, mathematics, computer science, or physics) major.
2. Students should have a minimum GPA of 2.80/4.00.
3. Applicants must be US citizens or permanent residents.
4. Students from community colleges are encouraged to apply.

**Applications are due February 15, 2017.** For applications go online to <https://reumanager.com/iit-diabetes>. If you have questions, contact: Eric M. Brey, Ph.D., 312-567-5098, [brey@iit.edu](mailto:brey@iit.edu).