

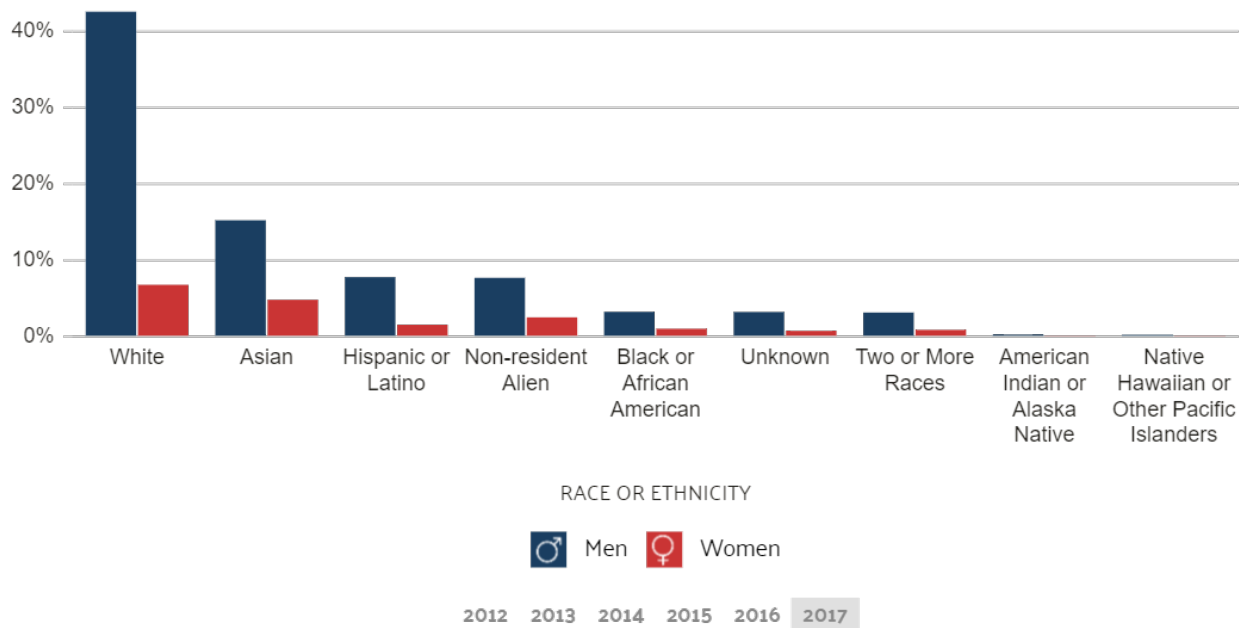
# Professor Frederick A. Hosch Scholarship

## For Under-Represented Students studying Computer Science

Dr. Fredrick A. Hosch was one of the original faculty members in Computer Science at UNO. He helped found the Department when it only had one system, the PDP 10. He joined the department in 1972 and remained a consistent source of knowledge for students, faculty, and staff until 2006. He served as Department Chair numerous times throughout his tenure, and without his leadership the Department would not be what it is today. Dr. Hosch was not one to revel in his victories, but rather one to look deeper at what could be done to further improve the department. In 2020, one way to improve the department is to increase access and support for students who are traditionally under-represented in Computer Science.

It is with this in mind that we invite applications for the Hosch Scholarship to increase the diversity of our CS student body at UNO. In one 2017 nationwide survey, people with degrees in Computer Science were overwhelmingly male (78.6%) and non-US residents (34.6%). Of Americans in the US earning CS degrees in 2017, 34.6% identified as White and 14.8% identified as Asian while only 6.9% identified as Hispanic or Latino, 3.1% identified as Black, and just over 0.1% identified as either Native American or Pacific Islander. The chart below displays the gender/race makeup of CS bachelor’s degrees awarded in the US in 2017. Having a diversity of perspectives in Computer Science professions is integral to the health and development of the field. In a field with as much growth potential as Computer Science, imbalance runs the risk of homogeneity of thought, reinforcing existing biases, and general stagnation. The scholarship will consist of \$6,000 towards tuition and fees split between Fall and Spring semesters. Minimum requirements include enrollment in or completion of Data Structures (CSCI 2125) and being in good standing with the University.

**Demographics of Computer Science Bachelor’s Degrees in the US<sup>1</sup>**



<sup>1</sup> All demographic statistics from DataUSA: <https://datausa.io/profile/cip/110701/#demographics>