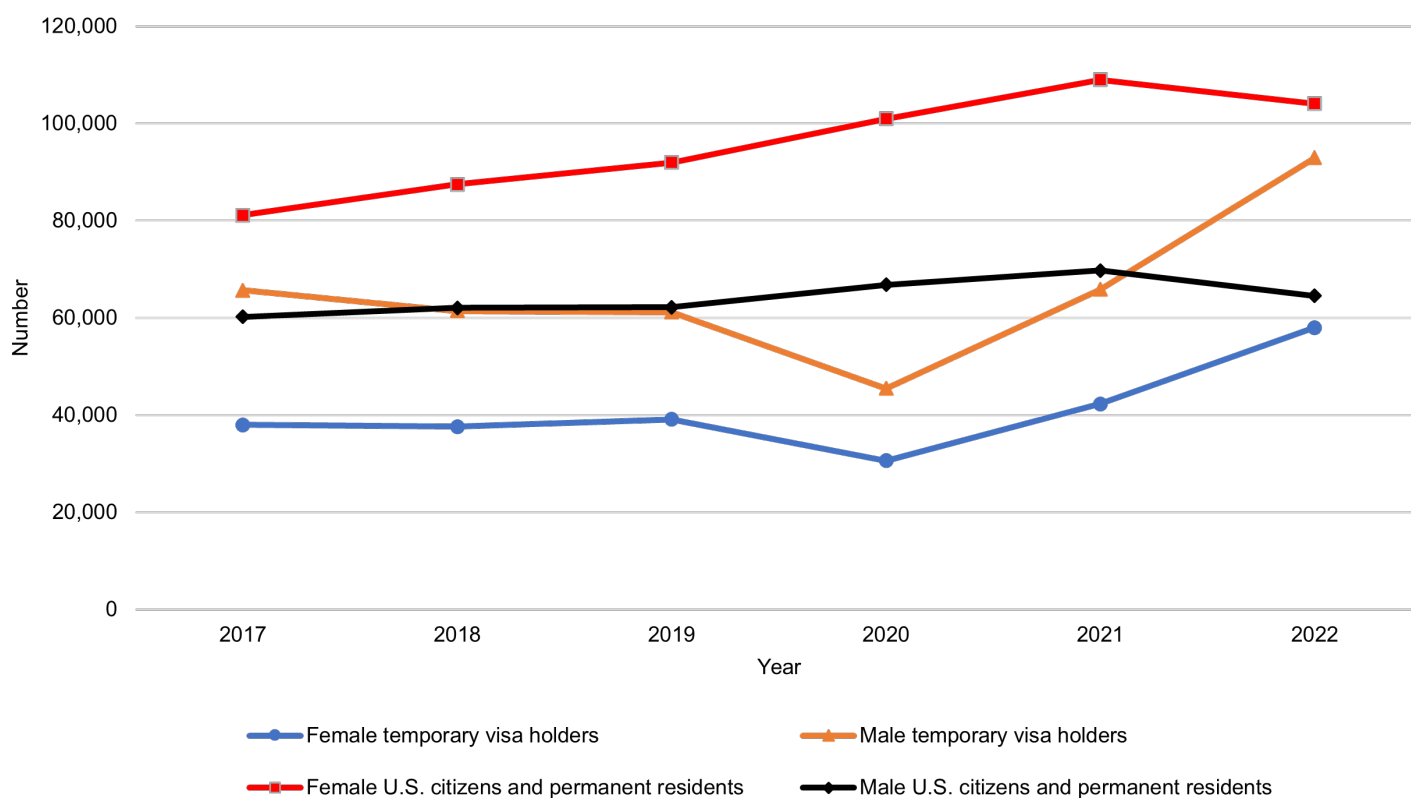




Enrollment of full-time master's students in science, engineering, and health, by citizenship status and sex: 2017–22

Female U.S. citizens and permanent residents made the largest number of full-time master's students in science, engineering, and health (SEH) from 2017 to 2022, ranging from a low of 81,116 to a high of 109,032. From 2017 to 2019, the number of male and female temporary visa holders who were enrolled full time as SEH master's students was relatively stable, with a high of 103,689 and a low of 99,019. However, during the COVID pandemic, full-time enrollment of temporary visa holders in master's programs fell by 8,544 (22%) for women and by 15,705 (26%) for men between 2019 and 2020. In 2021, numbers rebounded for these groups of temporary visa holders, increasing by 11,633 (33%) for men and 20,356 (45%) for women. By 2022, the number of male temporary visa holders who were enrolled full-time as SEH master's students rose to 92,976, surpassing the number of male U.S. citizens and permanent residents by 28,433 SEH master's students.



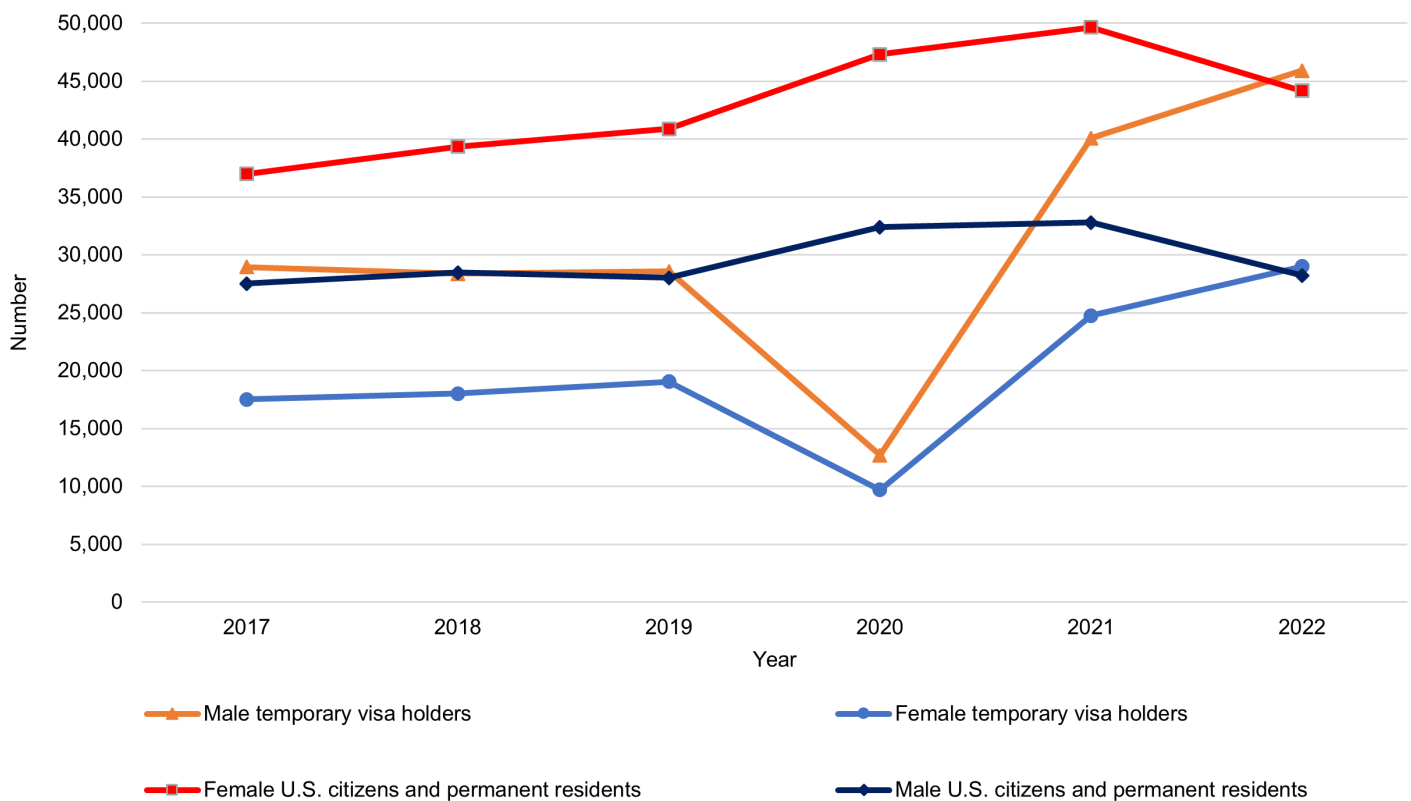
Note(s) Graduate student data in this figure include master's students in health sciences. For more information on the comparability of these counts to other published by the National Center for Science and Engineering Statistics, see the 2022 Technical Notes at <https://nces.nsf.gov/surveys/graduate-students-postdoctorates-e/2022#technical-notes>

Source(s): National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Full-Time Master's Student Enrollment in Science, Engineering, and Health

Enrollment of first-time, full-time master's students in science, engineering, and health, by citizenship status and sex: 2017–22

Female U.S. citizens and permanent residents had the largest number of enrolled first-time, full-time master's students in SEH from 2017 to 2021. During the COVID pandemic, the number of temporary visa holders enrolled first-time, full-time as master's students in SEH sank from 28,568 to 12,678 for men and fell from 19,042 to 9,703 for women between 2019 and 2020. During this same time period male and female U.S. citizen and permanent residents saw their largest year-over-year increase in enrollment between 2017–22, with an increase of 4,391 male students and 6,427 female students. By 2022, among those enrolled first time, full time in master's programs, the number of male temporary visa holders reached 45,912 students, surpassing the number of male U.S. citizens and permanent resident enrollment by 17,694 students and the number of female U.S. citizens and permanent resident enrollment by 1,726 students.



Note(s): Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the 2022 Technical Notes at <https://nces.nsf.gov/surveys/graduate-students-postdoctorates-s-e/2022#technical-notes>.

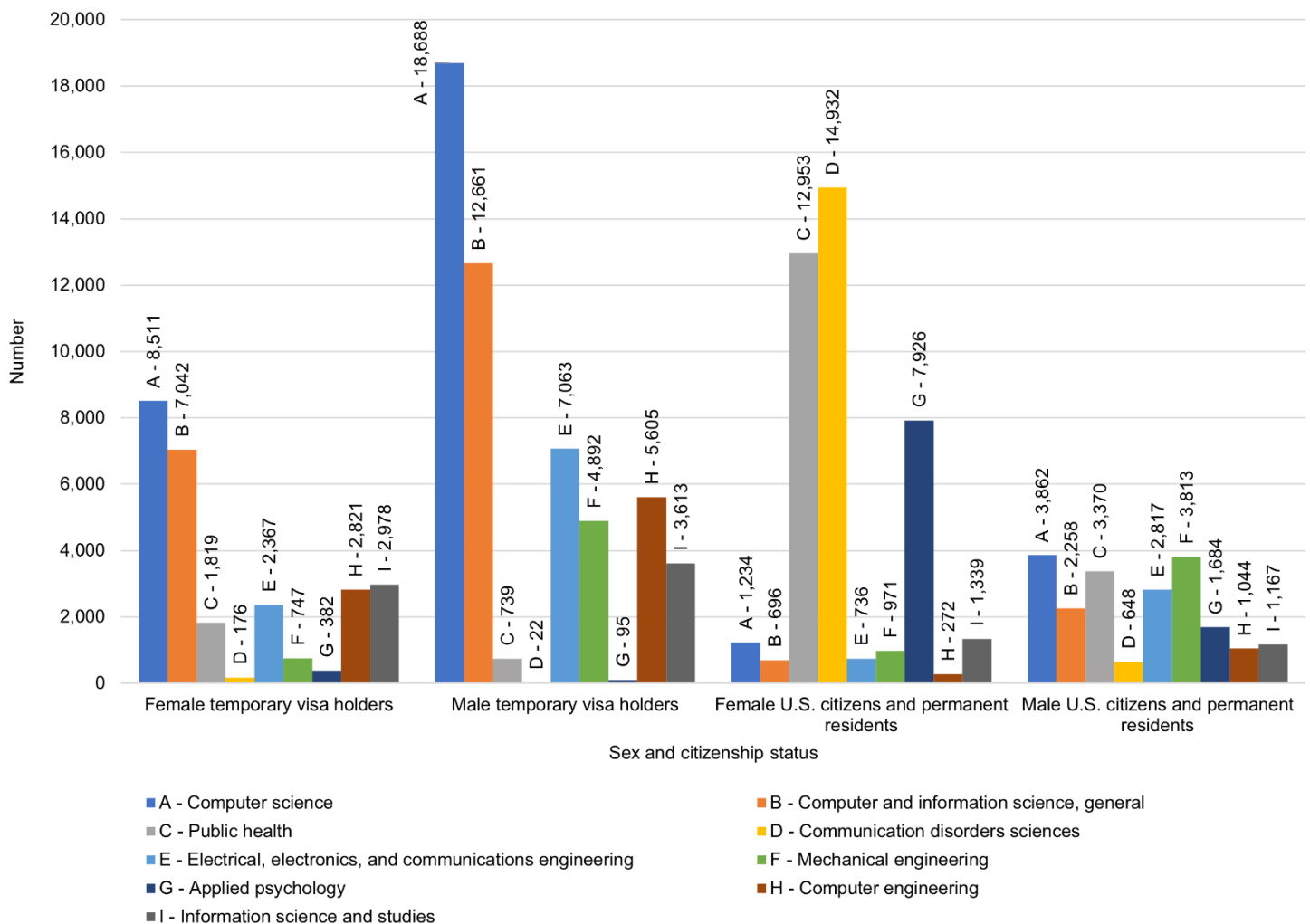
Source(s): National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.

Full-Time Master's Student Enrollment in Science, Engineering, and Health

Fields of study with the largest counts of U.S. citizens and permanent residents and temporary visa holders, by sex: 2022

The three fields¹ of study with the largest number of female U.S. citizens and permanent residents in 2022 were communication disorders sciences (14,932), public health (12,953), and applied psychology (7,926). The three largest fields for male U.S. citizens and permanent residents were computer science (3,862), mechanical engineering (3,813), and public health (3,370). For both male and female temporary visa holders, their top two fields of study were computer science (18,688 men, and 8,511 women) and computer and information science, general (12,661 men, and 7,042 women). The third largest field for male temporary visa holders was electrical, electronics, and communications engineering (7,063), and for female temporary visa holders, the third largest field was information science and studies (2,978).

¹ To see all the fields of study collected on the Survey of Graduate Students and Postdoctorates in Science and Engineering, please refer to technical table A-17 at <https://nces.nsf.gov/pubs/nsf24319/table/A-17>.



Note(s): Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the 2022 Technical Notes at <https://nces.nsf.gov/surveys/graduate-students-postdoctorates-s-e/2022#technical-notes>.

Source(s): National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2022.