UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of August 2025

Commission File Number 001-40974

GLOBALFOUNDRIES Inc.

400 Stonebreak Road Extension
Malta, NY 12020

Indicate by check mark whether the Registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ☒ Form 40-F ☐

At the Annual General Meeting of Shareholders, held on July 29, 2025, the shareholders of GLOBALFOUNDRIES Inc. (the "Company") approved the following proposals: (1) the election of Tim Breen (with 87.19% in favor), Dr. Thomas Caulfield (with 86.48% in favor), Glenda Dorchak (with 99.48% in favor) and Camilla Languille (with 86.82% in favor) as Class I directors of the Company, each to serve for a three-year term, or until such person resigns or is removed in accordance with the terms of the Company's Amended and Restated Memorandum and Articles of Association, and (2) the ratification of the appointment of PricewaterhouseCoopers LLP as the Company's independent public accounting firm for the fiscal year ending December 31, 2025 (with 99.97% in favor).

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

GLOBALFOUNDRIES Inc.

Date: August 1, 2025

By: /s/ John Hollister

Name: John Hollister

Title: Chief Financial Officer