

JOIN THE TEAM

designing the technology that's moving the world forward

EXECUTION • TECHNOLOGY • PARTNERSHIP

GLOBALFOUNDRIES is a leading full-service semiconductor design, development, fabrication, and innovation company with locations across the globe. We work with some of the world's most inspired companies to develop and produce the semiconductors that are changing the way all people live today— and defining what's possible for tomorrow.

We believe a good idea can come from anywhere, so we're committed to finding the best talent for every position. It's how we've built a diverse company of employees, united by a common dedication to excellence in their fields—and to the future.

Work with the best

GLOBALFOUNDRIES employs the largest population of leading-edge engineers, technicians, scientists and technologists in the semiconductor manufacturing industry. This wealth of intellectual capital ensures that we not only focus on the technologies and differentiated solutions that transform markets, but that we also offer amazing work experiences to people who join our team.

This is more than just a job, it's an opportunity to put your fingerprint on the future.

GLOBALFOUNDRIES combines manufacturing expertise, innovative technologies, and deep industry insight to help position our customers as the leaders in their markets.

Competitive financial rewards and benefits

We offer comprehensive benefits which include health care coverage, dental / vision care, insurance coverage, sports and recreational programs, in-house cafeteria, gym facilities etc.

Training and development

We create an environment that encourages people to take ownership of their careers and grow with the company. We support your growth through training, mentoring, work assignment and educational assistance. We believe in cultivating and growing talent within the company. Our training and development programs include comprehensive orientation and OJT, technical and advanced technical training, soft skills training, managerial training and high potential development program.

Diversity and inclusion

We value diversity as a way of life. Diversity of people, backgrounds, experiences, abilities, and points of view, enriches our company culture and makes us stronger together.

INTERESTED?

Visit www.globalfoundries.com/careers



GLOBALFOUNDRIES Singapore Pte Ltd
60 Woodlands Industrial Park D Street 2
Singapore 738406
Email: staffing.sgphr@globalfoundries.com

Connect with us @



Corporate Video



<https://goo.gl/Tp295Y>

View more employees' stories in
www.gradsingapore.com



GLOBALFOUNDRIES®

THINK BIG



Department		Faculty							
Position	Brief Job Description	Electronics & Electrical Engineering	Mechanical Engineering	Industrial & System / Manufacturing Engineering	Material Science Engineering	Chemistry / Chemical Engineering	Applied Physics	Computer Science	Finance / Accounting
FAB OPERATIONS									
Equipment Module Engineering	Improve and sustain all equipment performance indices to meet Module goals in productivities, cost and quality	√	√						
Process Module Engineering	Analyze and improve processes that meet quality, cost and productivity requirements	√			√	√			
Process Integration	Develop and transfer custom or derivative processes to meet customer needs	√							
Yield Enhancement	Formulate and drive process improvement plan to meet quality and yield targets	√							
Yield Defect Density	Analyze yield performance and drive defect reduction / yield improvement activities	√			√		√		
Product Engineering	Refine and manage semiconductor devices from design stage to production	√			√		√		
Manufacturing Operations	Supervision of operational activities in ensuring productive use of man, process and equipment that meet Company's objectives	√	√	√	√	√	√	√	
Computer Integrated Manufacturing (CIM)	Design, develop and support CIM systems, ensure system availability and performance to meet Fab's yield/ quality, engineering and manufacturing goals	√	√				√	√	
Factory Automation Engineering	Implement, enhance and continuously improve the Automated Material Handling Systems (AMHS)	√	√						
CORPORATE SUPPORT									
Electrical Test	Support the Manufacturing Operation in the areas of logistic, material and reporting	√							
Facilities Engineering	Provide engineering support to ensure optimum performance of facilities' equipment	√	√			√			
Turnkey	Plan & lead subcon team and work closely with internal team to ensure timely delivery of products to customers	√							
Failure Analysis	Support Fab operational issues, customer return and reliability reject	√			√	√	√		
Quality & Reliability Assurance	Enforce compliance of all quality operation systems in the Fab, manage Fab Quality Goals & customer quality issues	√			√	√	√		
Industrial Engineering	Develop and enhance capacity models, implement programs and reporting systems to enhance production efficiency	√	√	√	√			√	
Planning	Review and analyze loading forecast and scenarios	√	√	√	√	√			
Finance & Accounting	Monitor, track and report actual headcount, spending & capex against budget/forecast with analytics and executive summary. Maintain Accounting entries for AP / AR/GL. Process payment of payroll. Ensure compliance with audit schedules and reports								√
TECHNOLOGY DEVELOPMENT (APPLICABLE TO POST GRADUATES AND PHDS)									
Process Engineering	Develop, sustain and improve process to meet technology development goals	√			√	√	√		
Process Integration	Integrate new processes throughout development / transfer and qualification phases to meet technology release requirements	√			√		√		
Product Engineering	Product study testing, yield analysis, yield correlation to inlie and electrical performance	√			√		√		
RFCMOS	Process development and customer's prototype lots and ensure smooth and correct execution	√					√		
MEMS	Work with a cross functional teams for development of MEMS process technology for the manufacturing of MEMS devices and co-ordinate with unit process module team on development and characterization of process modules	√	√		√		√		
Electrical Test (PTF)	Develop complete test solution and enable test setup for any assigned device	√					√		
Device Engineering MRAM	STT MRAM device design and cell characterization, analysis of MTJ data from films, devices and arrays to drive development efforts	√					√		
Device Design	Design and detailed characterization of embedded NVM devices	√			√		√		
Design Enablement - Design Methodology (DE)	Development of PDK to support GLOBALFOUNDRIES mainstream processes and assess customer requirements for their specialized support needs	√			√		√		
OPC Technology (DE)	Develop and support design enablement deliverables including DRC, LVS, PEX, CAD / EDA / IC design or semiconductor manufacturing	√			√		√		
DFM Services	Develop and manage DFM/CAD solutions and flows to ensure IP and design met DFM guidelines. Support advanced DFM applications for foundry customers in pre-tapeout and prototype phases to achieve design win	√						√	
RF Modeling (DE)	Develop Silicon-on-Insulator and bulk CMOS (RFCMOS) RF transistor model kits for GLOBALFOUNDRIES advanced and RF active and passive pcells for automatic testchip layout generation	√	√		√		√		