

**Company :** Micron  
**Company Name :** Micron  
**Nature Of Business :** Semiconductor Technology  
**Designation :** Semiconductor Technology Modeling Engineer  
**Tentative Job Location :** --

Micron Technology’s vision is to transform how the world uses the information to enrich life and our dedication to people, innovation, tenacity, partnership, and customer focus allows us to fulfill our mission to be a global leader in memory and storage solutions. This means conducting business with integrity, accountability, and teamwork while supporting our global community.

We are looking for a high-energy, ambitious, result-driven individual with strong work ethic and integrity to join us as Semiconductor Modeling Engineer in Micron’s Technology Development Group, and in this role, you will be supporting development of advanced process technology

## Responsibilities and Duties include, but not limited to:

- You will be responsible for developing first-principles physical, chemical, thermal, mechanical, materials, and statistical/ML/AI models for unit processes that enables manufacturing of next generation memory chips.
  - You will model the unit process at multiple length scales, calibrate against process data, and train the models to provide for predictive unit-process modeling capability.
  - You will contribute and develop modeling workflows, platforms, and applications working with other members of the TDE modeling team.
  - Good knowledge of process modeling tools – this will be a distinct advantage
  - Good knowledge in multi-scale multi-physics modeling/simulations
  - Good knowledge in statistical, machine learning, and AI techniques
  - Strong coding skills and demonstrated use of numerical methods – mandatory
  - Background in thermodynamics and kinetics
  - Background in semiconductor processes and fabrication
  - Background in machine learning algorithms and image processing
  - Knowledge of solid mechanics

### Better to Have :

- Specializations: Mandatory Paper Publication in Tier-1 Journals and conferences (Preferably atleast one each in Tier-1 Journal and Tier-1 International Conference);
- For PhD, Mandatory BTech or MTech from Tier-1 Institute or GATE score > 98 percentile;

Join a versatile team passionate about one thing: using their expertise in the relentless pursuit of innovation for customers and partners. The solution we build helps make everything from virtual reality experiences to breakthroughs in neural networks possible. We do it all while contributing to integrity, sustainability, and giving back to our communities. Because doing so can spark the very innovation we are pursuing.

Micron is an equal opportunity employer and values diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status

	Program	AE	BS	BE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
Eligibility :	BT	No	No		No	No	No	Yes	--	No	No	--	--	--	--	--	--	--	--	--	--	--	--	--
	BS	--	--		--	--	--	--	No	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--
	MT	No	No		No	No	No	Yes	No	No	No	--	--	--	--	--	No	--	--	No	No	No	Yes	--
	DoubleMajor	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dual	No	No		No	No	No	Yes	No	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dualB	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	No	--	--	No	--	No	Yes	--
	dualC	No	No		No	No	No	Yes	No	No	No	No	No	No	No	No	No	--	--	--	--	--	--	--
	Mdes	--	--		--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
	MBA	--	--		--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
	Phd	No	No		No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No
	MSc	--	--		--	--	--	--	--	--	--	No	No	No	--	--	--	--	--	--	--	--	--	No
	MSR	No	No		No	No	No	Yes	--	No	No	--	--	--	--	--	--	No	--	--	--	--	Yes	--

### Cost to Company :

	Masters	PhD
Fixed CTC	1540000	2200000
Variable	154000	220000
Total CTC	1842400	2568400
Joining Bonus	150000	150000

**Package  
Details :**

	Masters	PhD
Fixed CTC	1540000	2200000
Variable	154000	220000
Total CTC	1842400	2568400
Joining Bonus	150000	150000

**Bond :**  
**CPI CutOff :**  
**Medical  
Requirments  
:**  
**Resume  
Shortlist :**  
**Resume  
Shortlist  
Criteria:**  
**Aptitude  
Test:**  
**Aptitude  
Test**  
**Duration:**  
**Group  
Discussion:**  
**Technical  
Test:**  
**Technical  
Test**  
**Duration:**  
**Technical  
Interview:**  
**HR  
Interview:**  
**HR  
Interview  
Duration:**  
**Additional  
Information:**

**False**  
**0.0**  
**NA**  
**True**  
**CGPA Cut off M.Tech is 7 and above**  
**True**  
**N/A**  
**False**  
**True**  
**N/A**  
**False**  
**True**  
**N/A**