Micron engineering candidate guide

Micron is looking for the brightest minds to join our international team of innovators.
Match your education and experience to see what jobs might be a fit for you.

Department	Job title(s)	Education	Degree	Preferred coursework		Job location(s)
Process Development/ Equipment R&D	• Process development engineer • Process pathfinding engineer • Equipment R&D engineer • Areas: Photolithography, Dry etch, Wet process, CMP, Thin films, Implant, Metrology, and RDA	• MS • PhD	• Chemistry/Chemical engineering • Electrical engineering • Microelectronics engineering • Materials science • Physics • Mechanical engineering • Mechatronics	• Device or processing research • Semiconductor processing lab • Data science application in engineering • Statistics • Design of experiments (DOE)	• Computational fluid dynamics • Computational materials • Thermo-mechanical modeling • AI assisted modeling • Optics	• Boise, ID
Process Integration R&D	• Process integration engineer • Device engineer • CMOS engineer	• MS • PhD	• Chemistry/Chemical engineering • Electrical engineering • Microelectronics engineering • Materials science • Physics	• Semiconductor physics • Device or processing research • CMOS • Design of experiments (DOE)	• SPC, JMP • Circuit design • Matlab, SQL, Python, Java, or other data science coursework	• Boise, ID
Mask Technology Center	• Process development engineer • Reticle manufacturing engineer • R&D process engineer • Process integration engineer • Yield engineer	• BS • MS • PhD	• Chemistry/Chemical engineering • Mechanical engineering • Materials science • Mathematics/statistics • Physics	• Semiconductor physics • Statistics • Optics	• SPC, Design of experiments (DOE), JMP • C++, SQL, Python, Java	• Boise, ID
Central Engineering	• CAD engineer • Competitor analysis engineer • EMI/EMC engineer • Lab engineer • PCB design & test engineer • Signal integrity engineer • Data scientist	• BS • MS • PhD	• Chemistry/Chemical engineering • Computer engineering • Electrical engineering • Mechanical engineering • Thermal engineering • EHSQ • Materials science • Physics	• Device physics • EDA • Electromagnetics • Electron microscopy • Lab testing equipment • Mechanical understanding of tools	• PCB design • VLSI design • Programming • Statistics	• Atlanta, GA • Austin, TX, • Dallas, TX • Boise, ID • Folsom, CA • San Jose, CA • Longmont, CO • Minneapolis, MN
Global Quality	• Manufacturing quality engineer • Quality data analyst engineer • Quality product reliability engineer	• BS • MS • PhD	• Computer engineering • Electrical engineering • Mechanical engineering	• CMOS logic • Manufacturing • Project management • Semiconductor physics	• Statistics • C++ • VLSI design	• Boise, ID • Longmont, CO
Test and Probe	• Test engineer • Equipment engineer • Process engineer • Manufacturing engineer • Software engineer	• BS • MS	• Computer engineering • Electrical engineering • Industrial engineering • Mechanical engineering • Computer science	• Digital logic • Electrical/electronics/mechatronics • Operations/project management • Systems engineering	• Programming: Python, C++, Perl • Statistics • Design of experiments (DOE) • UNIX • CAD	• Boise, ID • Clay, NY *(coming soon)*

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Advanced Packaging Technlogy Development	• Package development engineer • Semiconductor packaging engineer • Process development engineer • Process intergration engineer • Package modeling • Substrate designer	• MS • PhD	• Chemistry/Chemical engineering • Electrical engineering • Microelectronics engineering • Materials science • Mechanical engineering • Mechatronics/Physics • Metallurgical engineering • Polymer science	• Semiconductor packaging • Device or processing research • Semiconductor processing lab • Data science application in engineering • Thermal modeling • Mechanical modeling	• Statistics • Design of experiments (DOE) • Computational fluid dynamics • Computational materials • Thermo-mechanical modeling • AI assisted modeling	• Boise, ID
HBM/ DRAM Engineering	• Design engineer • Product engineer • Verification/validation engineer • Layout engineer	• BS • MS • PhD	• Electrical engineering • Computer engineering	At least one from: • CMOS logic • Digital logic • VLSI design • Analog circuit design • RTL circuit design	• C++ • C# • Semiconductor physics	• Atlanta, GA • Boise, ID • Folsom, CA • Richardson, TX
Firmware Development	• Firmware architect • Firmware developer • Firmware test architect • Firmware tester	• BS • MS • PhD	• Computer engineering • Electrical engineering	• Programming projects in C/C++ • Digital design • Digital devices • Control theory	• Computer architectures • Digital signal processing • Real time systems	• Boise, ID • Folsom, CA, • San Jose, CA, • Longmont, CO • Minneapolis, MN
Nonvolatile Engineering	• Design engineer • Product engineer • Verification engineer • System engineer • Characterization engineer • Yield engineer	• BS • MS • PhD	• Computer engineering • Electrical engineering	At least one from: • CMOS logic • Digital logic • VLSI design	• Programming language: C++, C#, Java, etc. • Semiconductor physics • Analog circuits	• Boise, ID • San Jose, CA, • Longmont, CO
SSD Engineering	• IC design engineer • Verification/validation engineer	• BS • MS • PhD	• Computer engineering • Electrical engineering	• Computer architecture • VLSI design	• Digital logic design • Verilog/VHDL/ SystemVerilog	• Boise, ID • San Jose, CA • Longmont, CO
Manufacturing/ Operations	• Manufacturing engineer • Process engineer • Proces integration engineer • Equipment engineer • EHS engineer • Facilities engineer • Industrial engineer	• BS • MS	• Chemistry/Chemical engineering • Electrical engineering • Environmental engineering • Industrial engineering • Mechanical engineering • Microelectronics engineering • Material science • Supply chain management • Physics • Other STEM degrees	• Statistics • SPC • Electromechanical coursework *(for equipment engineer role)*	• Programming • Semi process lab • Semiconductor materials • Semiconductor physics	• Boise, ID • Manassas, VA • Clay, NY *(coming soon)*
Information Technology	• Software engineer • System manager • Database administrator • Business analyst • Project manager • Software developer	• BS • MS	• Computer engineering • Computer science • Computer information systems • Management information systems	• C++/C#, .Net, Python/ Angular • Cloud, Windows, Unix, Linux	• SQL • SSIS, SSRS • SAP/ABAP	• Boise, ID

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