

USC University of Southern California VLSI Design Engineer - MOSIS Job Description

JOB INFORMATION				
Job Code:	167151			
Job Title:	VLSI Design Engineer - MOSIS			
FLSA Status:	Exempt			
Supervisory:	May oversee student, temporary and/or resource workers.			
Job Family:	VSLI Design			
Job Family Group:	Information Technology			
Management Level:	7 Individual Contributor			

JOB SUMMARY

Uses design methodologies to implement complex electronic circuits utilized in advanced Very Large Systems Integration (VLSI) processes through the Metal Oxide Semiconductor Implementation Service (MOSIS) at ISI.

JOB QUALIFICATIONS:

Education

Req	Pref	Degree	Field of Study	
Χ		Bachelor's degree		
	Χ	Bachelor's degree		

Additional Education

Check here if experience may substitute for some of the above education.

X Combined experience/education as substitute for minimum education

Work Experience

Req	Pref	Work Experience	Experience Level	
Χ		3 years		

Additional Work Experience

Check here if education may substitute for some of the above work experience.

Combined experience/education as substitute for minimum work experience

Knowledge, Skills and Abilities

Req	Pref	Functional Skills
Χ		Directly related industrial experience.

Other Job Factors

• May require periodic weekend or evening work.

JOB ACC	OUNTABILITIES						
0027100				% Time	Essential	Marginal	N/A
circuit design fabrication t	ernal and external designers and researchers with n technologies. Develops and applies design metho echnologies for other operations and services unde esign tools, libraries and technology files.	dologies to					
Formulates a commercially methodologic	and documents procedures of libraries and technol y designed tools and design kits. Implements state es for advanced fabrication processes. Selects fror st appropriate equipment for users of MOSIS Service	-of-the-art don't	esign				
	nd maintains appropriate network of professional h professional organizations and publications.	contacts. Ma	intains				
	participates in meetings, conferences and seminal presents university and/or unit, as assigned or app		ed or				
Other Rec	_l uirements						
Essential:	Emergency Response/Recovery	Essential:			Mandated F	Reporter	
	In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university's Emergency Operations Plan and/or the employee's department's emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.		capacita a perso or a de or negli The rejimmed telepho of the as a ma and US	ty has known who is pendent ect must porter muitately or one or in associate andated rC's policy	owledge of, under the a adult has be report the ust contact as soon as pwriting with d job duties reporter as	or reasonal age of 18 ye een the vict suspected is designate or actically pain 36 hours this positive equired by	d agency possible by s. By virtue ion qualifies state law
Campus Sec	curity Authority (CSA)					Es	sential:
	the associated job duties, this position qualifies as ISC's policy at: https://dps.usc.edu/alerts/clery/	a Campus Se	ecurity A	Authority	as required	No	
ACKNOW	LEDGMENTS						
	atements reflect the essential and non-essential fe not intended to be a complete statement of all v	vork requirer		duties t			

position. I understand that I may be asked to perform other duties as assigned. USC reserves the right to add or change duties at any time.

The University of Southern California is an Equal Opportunity Employer. USC prohibits discrimination on any basis protected under federal, state, or local law, regulation, or ordinance or university policies. All employment decisions are based on individual qualifications and business need.

I acknowledge receipt of this job description and its associated physical requirements. I have read and understand the job description and job requirements and agree to abide by their contents. I realize that duties may be requested of me that are not specifically stated herein. I understand that I will be expected to adjust to potential fluctuations in work volume. I understand that, if I have any questions about the essential functions or expectations of my position, my supervisor and/or HR partner are available to discuss them with me.

Print Employee Name	Signature	Date
Print Manager Name	Signature	 Date

This job description describes the general nature and level of work required by the position. It is not intended to be an allinclusive list of qualifications, skills,

duties, responsibilities or working conditions of the job. The job description is subject to change with or without notice, and Management reserves the right to add, modify or remove any qualification or duty. Nothing in this job description changes the existing at-will employment relationship between the university and the employee occupying the position.