

NCS-Based KAIST Job Description

Recruitment area	<i>Post-Doctoral Research</i>	Classification system	Parent category	Sub-category	Sub sub-category	Sub sub-sub-category
Mission	<ul style="list-style-type: none"> ○ Korea Advanced Institute of Science and Technology (KAIST) Act <ul style="list-style-type: none"> - Educating outstanding talent proficient in theory and practice as required in the fields of science and technology for industrial development - Carrying out the nation's mid- and long-term R&D, and basic and applied research to foster national competitiveness in science and technology - Providing comprehensive support to research conducted by other research centers and industries 					
KAIST's major businesses	<ul style="list-style-type: none"> ○ Education: Fostering creative talent, strengthening convergence education, nurturing global leaders in science and technology, strengthening human resource capacity ○ Research: Support for development of outstanding research projects, acquisition of specialized researchers, advancement of entrepreneurial culture, creation of high value-added intellectual property rights, promotion of technology transfer/commercialization, and development of large-scale, leading projects ○ Cooperation: Creating a working environment to be at par with global standards, and multifaceted cooperation for global leadership ○ Administration: Provision of administrative and technical service for international students/faculty (Support for operation of a "Korean-English bilingual campus") 					
Growth engines	<ul style="list-style-type: none"> ○ Vision: Global Value-Creative World-Leading University <ul style="list-style-type: none"> - Hub for Fostering Knowledge Creation and Global Convergence Talents - Center for the World-Leading New Knowledge and Technology) ○ Five innovation initiatives: Innovation in education, research, technology commercialization, globalization and future strategies ○ 3C Leadership: Change, Communication, Care 					
Duties and responsibilities	<ul style="list-style-type: none"> ○ Synthesis of hypergolic ionic liquids and additives ○ Rocket propellant management ○ Rocket propellant performance evaluation 					
Job performance details	<ul style="list-style-type: none"> ○ Development of liquid, solid propellant, ionic liquids and additives with storable liquid oxidizer(HTP) having excellent ignition characteristics ○ Rocket propellant and chemical storage, classification and management ○ Rocket propellant purity, composition, thermal characterization(FT-IR, NMR, DSC-TGA) and performance evaluation 					
Knowledge required	<ul style="list-style-type: none"> ○ Analytical chemistry / Combustion engineering / Organic chemistry 					
Required skills	<ul style="list-style-type: none"> ○ Skills related to job performance and being able to successfully perform the duties 					

Attitude while performing duties	<ul style="list-style-type: none">○ Attitude to conduct timely compliance and group collaboration research○ Research ethics and security compliance○ Creative attitude for problem understanding and theory development
Basic skills	<ul style="list-style-type: none">○ Problem solving ability, interpersonal ability, job ethics ability
Reference site	www.ncs.go.kr , www.kaist.ac.kr