

## 한국과학기술원 NCS 기반 직무기술서 - 연구직

채용분야	연구직	분류체계	대분류	중분류	소분류	세분류
			15.기계	01.기계설계	02.기계설계	02.기계시스템설계
설립이념	<ul style="list-style-type: none"> <li>○ 한국과학기술원법</li> <li>- 깊이 있는 이론과 실제적인 응용력으로 국가 산업 발전에 기여할 고급 과학기술 인재 양성</li> <li>- 국가 정책으로 추진하는 중장기 연구 개발과 국가 과학기술 저력 배양을 위한 기초응용 연구 수행</li> <li>- 각 분야 연구 기관 및 산업계와 연계한 연구 지원</li> </ul>					
KAIST 주요사업	<ul style="list-style-type: none"> <li>○ Education: 창의적 인재 육성, 융합교육 강화, 글로벌 과학기술 리더 양성, 교육인적 역량 강화</li> <li>○ Research: 우수 연구 과제 발굴 지원, 특성화된 연구인력 확보, 창업문화 선진화, 고부가가치 지적재산권 창출 및 기술이전/사업화 촉진, 선도적 대형과제 발굴</li> <li>○ Cooperation: 국제적 수준의 근무 환경 조성, 글로벌 리더십을 위한 다양한 협력</li> <li>○ Administration: 외국인 학생·교원 대상 행정·기술 서비스 제공(Bi-lingual Campus 운영 지원)</li> </ul>					
성장 동력	<ul style="list-style-type: none"> <li>○ Vision: 글로벌 가치창출 세계 선도대학(Global Value-Creative World-Leading University)</li> <li>- 지식창조형 글로벌 융합인재 양성 허브 (Hub for Fostering Knowledge Creation and Global Convergence Talents)</li> <li>- 세계적 신지식 신기술 창출 진원지(Center for the World-Leading New Knowledge and Technology)</li> <li>○ 5대 혁신: 교육혁신, 연구혁신, 기술사업화혁신, 국제화혁신, 미래전략혁신</li> <li>○ 3C Spirit: Challenge, Creativity, Caring</li> </ul>					
담당 업무	<ul style="list-style-type: none"> <li>○ 유체역학 실험(supecavitation etc.)</li> <li>○ 유체역학에서의 이론적 분석(supecavitation etc.)</li> <li>○ 유체역학 시뮬레이션(supecavitation etc.)</li> </ul>					
직무수행 내용	<ul style="list-style-type: none"> <li>○ 유체역학 실험(supecavitation etc.)</li> <li>○ 유체역학에서의 이론적 분석(supecavitation etc.)</li> <li>○ 유체역학 시뮬레이션(supecavitation etc.)</li> </ul>					
필요지식	<ul style="list-style-type: none"> <li>○ 유체역학</li> <li>○ 수학</li> <li>○ 컴퓨터 프로그래밍</li> </ul>					
필요기술	<ul style="list-style-type: none"> <li>○ 카메라를 다루는 기술</li> <li>○ 압축기, 압력 센서에 대한 기술</li> </ul>					
직무수행태도	<ul style="list-style-type: none"> <li>○ 근면함</li> <li>○ 정직함</li> </ul>					
직업기초능력	<ul style="list-style-type: none"> <li>○ 영어 논문 작성</li> <li>○ 영어 프레젠테이션</li> </ul>					
참고사이트	www.ncs.go.kr, www.kaist.ac.kr					

## NCS-Based KAIST Job Description – Research Position

Recruitment area	Research	Classification system	Parent category	Sub-category	Sub sub-category	Sub sub-sub-category
			*15. Machine	*01. Mechanical design	*02. Mechanical design	*02. Mechanical System design
Mission	<ul style="list-style-type: none"> <li>○ Korea Advanced Institute of Science and Technology (KAIST) Act               <ul style="list-style-type: none"> <li>- Educating outstanding talent proficient in theory and practice as required in the fields of science and technology for industrial development</li> <li>- Carrying out the nation's mid- and long-term R&amp;D, and basic and applied research to foster national competitiveness in science and technology</li> <li>- Providing comprehensive support to research conducted by other research centers and industries</li> </ul> </li> </ul>					
KAIST's major businesses	<ul style="list-style-type: none"> <li>○ Education: Fostering creative talent, strengthening convergence education, nurturing global leaders in science and technology, strengthening human resource capacity</li> <li>○ 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</li> <li>○ Cooperation: Creating a working environment to be at par with global standards, and multifaceted cooperation for global leadership</li> <li>○ Administration: Provision of administrative and technical service for international students/faculty (Support for operation of a "Korean-English bilingual campus")</li> </ul>					
Growth engines	<ul style="list-style-type: none"> <li>○ Vision: Global Value-Creative World-Leading University               <ul style="list-style-type: none"> <li>- Hub for Fostering Knowledge Creation and Global Convergence Talents</li> <li>- Center for the World-Leading New Knowledge and Technology)</li> </ul> </li> <li>○ Five innovation initiatives: Innovation in education, research, technology commercialization, globalization and future strategies</li> <li>○ 3C Leadership: Change, Communication, Care</li> </ul>					
Duties and responsibilities	<ul style="list-style-type: none"> <li>○ Experiment in Fluid Mechanics (supecavitation etc)</li> <li>○ Theoretical analysis in Fluid Mechanics (supercavitation etc)</li> <li>○ Simulation in Fluid Mechanics (supercavitation etc)</li> </ul>					
Job performance details	<ul style="list-style-type: none"> <li>○ Experiment in Fluid Mechanics (supecavitation etc)</li> <li>○ Theoretical analysis in Fluid Mechanics (supercavitation etc)</li> <li>○ Simulation in Fluid Mechanics (supercavitation etc)</li> </ul>					
Knowledge required	<ul style="list-style-type: none"> <li>○ Fluid Mechanics</li> <li>○ Mathematics</li> <li>○ Computer programming</li> </ul>					
Required skills	<ul style="list-style-type: none"> <li>○ Skills dealing with cameras</li> <li>○ Skills dealing with compressors, pressure sensors</li> </ul>					

Attitude while performing duties	<input type="radio"/> diligence <input type="radio"/> honesty
Basic skills	<input type="radio"/> Writing a paper in English <input type="radio"/> Presentation in English
Reference site	<a href="http://www.ncs.go.kr">www.ncs.go.kr</a> , <a href="http://www.kaist.ac.kr">www.kaist.ac.kr</a>