

(양식) 채용분야별 직무기술서

## 직무기술서(연구직 연구원)

직무명	연구직 연구원
직무수행 내 용	<ul style="list-style-type: none"> <li>○ (Seawater Resources Technology Research Center) 해수전지 및 담수화 기술 데이터 분석</li> <li>○ (Sustainable Process Analysis, Design, and Engineering Lab) 공정설계 및 최적화 모델링</li> <li>○ (Bio-inspired Functional Materials Lab)Development of electrocatalysts for CO and CO2 utilization</li> <li>○ (Computational Energy Materials Science Lab)Synthesizing and characterizing solid electrolyte materials</li> <li>○ (Laboratory for Soft Material Nanophysics) 고분자 박막 제조 및 상분리 제어</li> <li>○ (Electrochemistry Lab for Energy and Environment (ELEE)) Electrocatalyst synthesis and characterization for CO2 and NOx</li> <li>○ (Advanced Nanocatalysis Lab)Synthesis of nanostructured catalysts and research on heterogeneous catalysis</li> <li>○ (Laboratory for Energy Harvesting Materials and Systems (LEHMS))halide perovskite 소재 합성 및 평가, 소자 제조</li> </ul>
필요지식	<ul style="list-style-type: none"> <li>○ (Seawater Resources Technology Research Center) 담수화 기술 데이터 분석 관련 지식 등</li> <li>○ (Sustainable Process Analysis, Design, and Engineering Lab) 화학공학, 에너지 및 환경, 신재생 에너지 관련 지식 등</li> <li>○ (Bio-inspired Functional Materials Lab) Electrochemistry, Materials Science and Engineering, Chemical Engineering, Chemistry</li> <li>○ (Computational Energy Materials Science Lab) Electrochemistry, Materials Science and Engineering, Solid state chemistry</li> <li>○ (Laboratory for Soft Material Nanophysics) 고분자공학/화학공학/고분자물리</li> <li>○ (Electrochemistry Lab for Energy and Environment (ELEE)) Electrochemistry, Inorganic Chemistry, Physical Chemistry</li> <li>○ (Advanced Nanocatalysis Lab) Inorganic Chemistry, Physical Chemistry</li> <li>○ (Laboratory for Energy Harvesting Materials and Systems (LEHMS)) 재료/화학/소자물리</li> </ul>
필요기술	<ul style="list-style-type: none"> <li>○ (Seawater Resources Technology Research Center) 해수 담수화 데이터 분석 기술 등</li> <li>○ (Sustainable Process Analysis, Design, and Engineering Lab) 공정 시뮬레이션 및 설계, 수치모델링, 전산유체역학 등</li> <li>○ (Bio-inspired Functional Materials Lab) Synthesis of organic/inorganic hybrid materials, Evaluation of electrocatalytic activity</li> <li>○ (Computational Energy Materials Science Lab) Solid state synthesis, XRD and EIS analysis</li> <li>○ (Laboratory for Soft Material Nanophysics) 고분자박막코팅기술 및 SEM, AFM</li> <li>○ (Electrochemistry Lab for Energy and Environment (ELEE)) Electrocatalyst Synthesis and Characterization, Product Analysis</li> <li>○ (Advanced Nanocatalysis Lab) Synthesis and characterization for catalytic materials. Experience of catalytic research</li> <li>○ (Laboratory for Energy Harvesting Materials and Systems (LEHMS)) perovskite 태양전지 소재 설계</li> </ul>

직무수행 태도	<ul style="list-style-type: none"> <li>○ 적극적인 연구수행 태도</li> <li>○ 정확한 연구계획 수립</li> <li>○ 능동적인 비전제시</li> <li>○ 연구 윤리 의식 확립 및 준수</li> </ul>
직업기초 능력	<ul style="list-style-type: none"> <li>○ 의사소통능력, 수리능력, 문제해결능력, 자원관리능력 등</li> </ul>
필수자격	<ul style="list-style-type: none"> <li>○ (연구원)학사학위 이상 소지자</li> <li>○ (박사후연구원)박사학위소지자</li> </ul>