

Chemistry Internship Topics

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50

Active Categories

25

Focused Areas

Internships
Internships

Chemistry Internship Categories

AI Organic Synthesis Discovery Research https://internships.nthrys.com/chemistry/ai-organic-synthesis-discovery-research	Machine Learning for Materials Chemistry https://internships.nthrys.com/chemistry/machine-learning-materials-chemistry
AI Catalysis Mechanism Research https://internships.nthrys.com/chemistry/ai-catalysis-mechanism-research	AI Analytical Chemistry Innovation Research https://internships.nthrys.com/chemistry/ai-analytical-chemistry-innovation-research
AI Green Chemistry Sustainability Research https://internships.nthrys.com/chemistry/ai-green-chemistry-sustainability-research	AI Supramolecular Chemistry Research https://internships.nthrys.com/chemistry/ai-supramolecular-chemistry-research
AI Electrochemistry Research https://internships.nthrys.com/chemistry/ai-electrochemistry-research	AI Photochemistry Research https://internships.nthrys.com/chemistry/ai-photochemistry-research
AI Computational Chemistry Research https://internships.nthrys.com/chemistry/ai-computational-chemistry-research	AI Astrochemistry & Prebiotic Research https://internships.nthrys.com/chemistry/ai-astrochemistry-prebiotic-research
AI Drug Discovery & Molecular Docking https://internships.nthrys.com/chemistry/ai-drug-discovery-molecular-docking	Polymer Science & Materials Characterization https://internships.nthrys.com/chemistry/polymer-science-materials-characterization
Nanotechnology & Nanoparticle Synthesis https://internships.nthrys.com/chemistry/nanotechnology-nanoparticle-synthesis	Environmental Chemistry & Water Treatment https://internships.nthrys.com/chemistry/environmental-chemistry-water-treatment
Biochemistry & Enzyme Kinetics Research https://internships.nthrys.com/chemistry/biochemistry-enzyme-kinetics-research	Coordination Chemistry & Metal Complexes https://internships.nthrys.com/chemistry/coordination-chemistry-metal-complexes
Analytical Method Development & Validation https://internships.nthrys.com/chemistry/analytical-method-development-validation	Medicinal Chemistry & Drug Synthesis https://internships.nthrys.com/chemistry/medicinal-chemistry-drug-synthesis
Quantum Chemistry & Molecular Modeling https://internships.nthrys.com/chemistry/quantum-chemistry-molecular-modeling	Food Chemistry & Nutritional Analysis https://internships.nthrys.com/chemistry/food-chemistry-nutritional-analysis
Inorganic Materials Synthesis & Testing https://internships.nthrys.com/chemistry/inorganic-materials-synthesis-testing	Structural Biology & Crystallography Research https://internships.nthrys.com/chemistry/structural-biology-crystallography-research
Surface Chemistry & Adsorption Studies https://internships.nthrys.com/chemistry/surface-chemistry-adsorption-studies	Forensic Chemistry & Evidence Analysis https://internships.nthrys.com/chemistry/forensic-chemistry-evidence-analysis
Corrosion Chemistry & Materials Protection https://internships.nthrys.com/chemistry/corrosion-chemistry-materials-protection	Cosmetic Chemistry & Formulation Development https://internships.nthrys.com/chemistry/cosmetic-chemistry-formulation-development
Natural Products Extraction & Isolation https://internships.nthrys.com/chemistry/natural-products-extraction-isolation	Air Quality & Atmospheric Chemistry https://internships.nthrys.com/chemistry/air-quality-atmospheric-chemistry
Battery Chemistry & Energy Storage Materials https://internships.nthrys.com/chemistry/battery-chemistry-energy-storage-materials	Biopolymer Chemistry & Biodegradation https://internships.nthrys.com/chemistry/biopolymer-chemistry-biodegradation

Thermal Analysis & Calorimetry Research https://internships.nthrys.com/chemistry/thermal-analysis-calorimetry-research	Spectroscopy Method Development & Application https://internships.nthrys.com/chemistry/spectroscopy-method-development-application
Cosmetic Microbiology & Preservation Testing https://internships.nthrys.com/chemistry/cosmetic-microbiology-preservation-testing	Trace Metal Analysis & Bioavailability https://internships.nthrys.com/chemistry/trace-metal-analysis-bioavailability
Process Chemistry & Scale-Up Research https://internships.nthrys.com/chemistry/process-chemistry-scale-up-research	Marine Chemistry & Oceanographic Analysis https://internships.nthrys.com/chemistry/marine-chemistry-oceanographic-analysis
Pesticide & Herbicide Residue Detection https://internships.nthrys.com/chemistry/pesticide-herbicide-residue-detection	Flavor & Fragrance Chemistry Research https://internships.nthrys.com/chemistry/flavor-fragrance-chemistry-research
Pharmaceutical Impurity Profiling & Testing https://internships.nthrys.com/chemistry/pharmaceutical-impurity-profiling-testing	Soil Chemistry & Nutrient Cycling https://internships.nthrys.com/chemistry/soil-chemistry-nutrient-cycling
Petroleum Chemistry & Fuel Analysis https://internships.nthrys.com/chemistry/petroleum-chemistry-fuel-analysis	Colloid Science & Suspension Stability https://internships.nthrys.com/chemistry/colloid-science-suspension-stability
Polymer Degradation & Lifetime Prediction https://internships.nthrys.com/chemistry/polymer-degradation-lifetime-prediction	Headspace & Volatile Compound Analysis https://internships.nthrys.com/chemistry/headspace-volatile-compound-analysis
Protein Engineering & Expression Studies https://internships.nthrys.com/chemistry/protein-engineering-expression-studies	Textile Chemistry & Dye Fastness Testing https://internships.nthrys.com/chemistry/textile-chemistry-dye-fastness-testing
Paper Chemistry & Pulp Analysis https://internships.nthrys.com/chemistry/paper-chemistry-pulp-analysis	Glass Chemistry & Optical Properties https://internships.nthrys.com/chemistry/glass-chemistry-optical-properties
Cement Chemistry & Concrete Science https://internships.nthrys.com/chemistry/cement-chemistry-concrete-science	Microfluidics Chemistry & Lab-on-Chip https://internships.nthrys.com/chemistry/microfluidics-chemistry-lab-on-chip

Chemistry Internship Topics and Focused Areas

Polymer Science & Materials Characterization

- Polymer Synthesis and Characterization
- Thermal and Mechanical Property Analysis
- Advanced Surface Characterization Techniques
- Polymer Blends and Composites Development
- Crystallinity Assessment and Structure-Property Relationships

Quantum Chemistry & Molecular Modeling

- Density Functional Theory (DFT) Calculations and Optimization
- Molecular Docking and Drug-Receptor Binding Studies
- Molecular Dynamics (MD) Simulations and Trajectory Analysis
- Quantum Mechanical Properties Prediction and Machine Learning Integration
- Computational Spectroscopy and Vibrational Analysis

Forensic Chemistry & Evidence Analysis

- Trace Evidence Analysis & Microscopy
- Drug Identification & Controlled Substance Analysis
- Bloodstain Pattern Analysis & Serological Testing
- Explosive & Fire Residue Chemistry

- Toxicology & Postmortem Drug Distribution

Spectroscopy Method Development & Application

- UV-Vis Spectroscopy Method Development for Drug Analysis
- Infrared Spectroscopy for Polymer Characterization
- Mass Spectrometry-Based Metabolomics and Biomarker Discovery
- Raman Spectroscopy for Environmental Contaminant Detection
- NMR Spectroscopy Method Development for Structural Elucidation

Pharmaceutical Impurity Profiling & Testing

- HPLC Method Development for Impurity Separation
- Genotoxic Impurity Screening and Risk Assessment
- Stability Indicating Method Validation
- Mass Spectrometry-Based Impurity Characterization
- Regulatory Compliance and ICH Q3B Implementation

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