



R&D CHEMICAL PROCESS ENGINEER

Are you looking for a new challenge? A chance to build something new? A way to make chemical production cleaner, more efficient, safer and less costly? A company to grow with? Synthio Chemicals is developing new chemical manufacturing techniques and equipment to meet customers' needs for specialty chemicals for several applications, and we need talented, motivated and forward-thinking chemical engineers to help us make it happen. Chemical engineers at Synthio do it all, from developing process models, designing and running experiments, to designing production equipment, building and operating state-of-the-art production prototypes.

Synthio Chemicals is an early-stage, rapidly growing specialty chemical manufacturer. Unlike the bulk of the specialty chemical industry, we use *continuous flow* equipment and process intensification techniques to produce high-value specialty chemicals for industrial, defense and pharmaceutical markets. Synthio stands at the vanguard of companies taking novel production techniques from universities and moving them to the production floor. Our products range from energetic materials for rocket propellants to specialty polymers for hydrogen production and precursors for novel pharmaceuticals.

Synthio is a hands-on environment. A typical week can include:

- Developing and applying design models for new chemical production processes
- Designing and conducting experiments (batch and flow reactions and separations) to generate required design data (remember – we use new techniques, so there isn't always data available!)
- Making sketches, PFD's, P&ID's, automation wiring diagrams, and bills of materials
- Creating operating procedures for new systems and training operators on new processes and systems
- Identifying and addressing process hazards for production systems
- Assembling hardware, including supervising technicians
- Testing production hardware and analyzing results
- Running and interpreting chromatography- and spectroscopy-based chemical analysis (GC, HPLC, IR)
- Documenting work, reporting on task progress and communicating results internally and to clients
- Learning and applying new chemistries and engineering tools

And of course, you will have to manage your time and work safely.

A degree or 2 in chemical engineering is required, and a few years of experience is helpful, especially in R&D or process development. Since we are creating new processes, our engineers have to have strong fundamental skills in chemical synthesis, heat and mass transfer, and reactor design, because there are no handbooks or vendors who have done this before. If you were at the top of your class and are looking for a chance to put your skills and education to work in developing new, cleaner, greener and safer chemical production, you might be a good fit for our fast-paced environment.

Synthio's facilities are located in Broomfield, Colorado, between Denver and Boulder, close to world-class hiking, skiing, fishing, biking and cultural opportunities all along Colorado's Front Range. Position benefits include highly flexible work hours in addition to medical and vacation benefits and competitive compensation with the opportunity for profit sharing.

Must be a U.S. citizen or permanent resident

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.



Job Type: Full-time

Salary: \$80,000.00 - \$95,000.00 per year, depending on qualifications

Benefits:

- Flexible schedule
- Health Savings Account
- Health insurance
- Paid time off
- 401K with matching

Schedule:

- Day shift
- Monday to Friday

To Apply: send a resume and cover letter to recruiting@synthiochem.com