



## Process Engineer II

### Position Summary:

The Process Engineer II at Virent is expected to be capable of successfully completing assigned tasks with little guidance from more senior staff. A Process Engineer II is expected to rapidly build his/her skills in areas relevant to the development and commercialization of Virent's processes.

A Process Engineer II may have also developed proficiency in an engineering subdiscipline that serves the intermittent needs of Virent, e.g. process controls or process safety program development.

### Essential Technical Responsibilities and Duties

- Lead Process Safety Reviews.
- Develops process flow diagrams, heat & material balances, piping & instrument drawings of chemical processes from initial concept to final design.
- Serve as project manager for pilot plant scale projects.
- Selects process equipment for bench and pilot scale operations.
- With possible guidance of senior engineering staff, support R&D efforts through use process simulation tools to identify the value of conceptual process improvements.
- Learn to use Microsoft Project in planning and communication of deliverables for successful execution and budgeting of project activities.
- Perform basic techno-economic of Virent technology.
- Possesses basic familiarity with developing process and equipment designs that comply with relevant regulatory codes, e.g. API, ASME, NFPA.

### Minimum Education and Experience Requirements

**EDUCATION:** A Masters of Science in Chemical Engineering OR  
BS in Chemical Engineering with at least two years of related experience. AND

**EXPERIENCE:** Typically two to seven years of related experience. AND

### KNOWLEDGE/SKILLS:

- Ability to use common process simulation tools such as Aspen required.
- Experience with Matlab or Octave desirable.
- Proficiency in Excel, Power Point, Word, and Outlook.
- Advanced ability with Excel including VBA programming desirable.
- Sharepoint experience desirable.

### APPLICATION INSTRUCTIONS

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