

Engineering Project Ideas

No matter what industry you are in, any business field can benefit from utilizing interns to their fullest potential. One of the many myths about internships is that employers cannot find the time to delegate meaningful work to their interns. The reality is that through thoughtful organization, a great number of assignments and tasks can be given to interns to save employers both time and labor. Below is a list of responsibilities, or “real work,” that interns can do in the engineering field:

- Assist project developers and project managers with data analysis
- Assist project developers and project managers with report preparation
- Assist project developers and project managers with site visits
- Assist project developers and project managers with technology evaluation
- Assist project developers and project managers with research
- Assist project developers and project managers with project scope
- Assist project developers and project managers with budget development
- Work directly with engineering, development, and legal staff, outside contractors and vendors, clients and partners with respect to the type of work they are doing
- Conduct data collection and perform data entry
- Perform mathematical computations for projects
- Assist project managers in establishing parameters for design criteria for various projects
- Participate in creating a proposal for facility upgrade for design or construction
- Research (i.e., verify existing conditions based on as-built drawings)
- Attend review meetings that are general or specific for design or construction projects
- Assist in facilitating the selection process for a design Request for Proposals (RFP)
- Inspect field work by participating in the day-to-day observation process, writing reports, helping with documentation, and taking measurements or photographs
- Process construction phase documentation letters, memos or forms
- AutoCAD drafting
- Assist project developers and project managers with issuing permits
- Troubleshoot with process equipment