

Engineering Teams - General Job Categories and Types of Positions

Prepared by Kim Walker Community and Environment for the Pilot Project for Internationally Trained Engineers, December 2003

General Job Categories	Description	Comments
Inside Engineer or Production Engineer	Does not see clients or interact with contractors.	Least important position. The first to be let go in a slow down.
Outside Engineer	Good people skills. Can communicate unsupervised.	Try to retain an outside engineer at all costs. More versatile, can bring in business.
Types of Engineers by Function	Activities	Comments
Consulting Engineer Municipal Engineer Research and Development Engineer Engineer working for Developer/Contractor Manufacturing Engineer	Written and verbal English requirement in much higher in consulting than in construction	Most ITEs apply to consulting firms. Only available positions for entry person such as an ITE is an engineer-in-training, technologist or designer position.
Types of Engineering Positions	Activities	Comments
Technician	Under supervision typical activities include testing, trouble-shooting, inspection, calibration, design drafting, quality control, maintenance, modelling, data compilation, estimating, sales, surveying and field supervision	Salaries est. from \$31,000 - \$54,000
Technologist	Independently or under supervision typical activities include design, production, marketing, testing, quality control, estimating, surveying, inspection, diagnostic evaluation, supervision, management, technical sales and teaching	Communication skills are important, enthusiasm, must be satisfied with staying in this position Salaries est. from \$33,000 - \$54,000
Engineer-in-Training (EIT) (1-5 yrs)	Analysis Design Field Services	Under supervision of P.Eng., as much responsibility and challenge as you can handle, enthusiastic, intelligent, good communication skills and technical knowledge Salaries around \$40,000

Project Engineer (5-8 yrs)	Same as an EIT More time in client communication	More responsibility Salaries from \$50,000 - \$55,000
Senior Project Engineer (8-12 yrs)	Same as EIT and Project Engineer Much more time in client communication Proposals	More responsibility Salaries from \$70,000 - \$80,000
Partner (12-20 yrs)	Same as EIT and Project Engineer More time in client communication Proposals	Overall responsibility Salaries of \$100,000 or more
Types of Construction Positions	Activities	Comments
Foreman	Manages small groups of trades on site	Salaries up to \$35,000
Project Coordinator	Assists the Project Manager with construction management at site. Some have BCIT Construction Management	Salaries up to \$50,000
Project Manager (PM)	Senior management at construction site. Excellent people skills. Project experience minimum 5 yrs.	Salaries from \$40,000 - \$120,000
Superintendent	In charge of construction site. Manages and controls Works with PM and Coordinators.	Salaries from \$60,000 - \$150,000
Sources: Success Development Group, August 2003; ASTTBC and TechWORKS! websites		