



More Cool Jobs



Manager, System Engineering

Education and Training

A Manager, System Engineering requires extensive general knowledge in the field of engineering including electrical, mechanical, computer and information engineering. A Bachelor's Degree and a Master's Degree is necessary as well as additional experience. Typically, Manager, System Engineers must have completed several years as a field engineer in a specific industry.

Nature of Work

Systems Engineers must be meticulous workers with excellent organizational and analytical skills. The main focus is to integrate new information systems and software into existing technology and hardware to ensure that a company remains modern and competitive. Travel is often required and communication within the engineering world is essential.

Compatibility obstacles are quite common and patience is an asset as projects can take many years to complete. There is little room for mistakes in this field as "close" is never good enough.

Earnings

Low: \$100,000
Average: \$140,000
High: \$180,000

Main Duties

- Analyze and evaluate current communication/information systems
- Maintain a high level of knowledge of current technology
- Develop strategies for integrating new systems with existing technology
- Troubleshoot unforeseen problems with integration
- Investigate/Survey other global systems
- Prepare proposals for new technologies for customers

Typical Employer

Transportation equipment manufacturers such as Bombardier

Additional Information

Bombardier Transportation
www.transport.bombardier.com
 Carleton University
www.sce.carleton.ca/dept/index.shtml
 University of Waterloo
www.systems.uwaterloo.ca/
 École de technologie supérieure
www.etsmtl.ca/english/studying_at_ets.html

Essential Characteristics

- Strong interpersonal skills
- organizational skills
- interpersonal skills

