

More Cool Jobs



Director of Advanced Engineering

Education and Training

The Director of Advanced Engineering must have a Bachelor's degree in a relevant discipline, such as engineering physics, computer science, mechanical or electrical engineering. A Master's degree in Advanced Engineering from an accredited institution is required and further education is recommended. A Director of Advanced Engineering must combine education with extensive knowledge and experience in the associated field.

Nature of Work

The Director of Advanced Engineering is responsible to ensure that the technical proposals to customers are competitive and complete. He leads a team of engineers to develop and integrate technologies for customers while ensuring that production costs remain within predicted parameters. This is a job of concepts and bringing concepts to life. Director's must be aware of economic constraints in a competitive world. A Director is often required to travel.

Salary

Low:	\$100,000
Mid:	\$145,000
High:	\$185,000

Main Duties

- Design/develop technologies, systems and components for customers.
- Supervise, mentor and lead highly qualified staff
- Coordinate and plan the development of technical proposals
- Interface with all operational aspects of a company to ensure that technologies are developed efficiently and precisely
- Provide technical support for the marketing team to assist customers and their needs
- Maintain cost control with respect to project development
- Travel to locations around the world to work with customers to create the best product possible

Typical Employer

Transportation technology development companies such as Bombardier. Aircraft and Spacecraft manufacturers.

Additional Information

A typical Director of Advanced Engineering will work as a field engineer to gain experience. Transportation courses are an asset.

Queens University
<http://engineering.queensu.ca/prospective/engineering/profiles/>
 Ryerson University
www.ryerson.ca/graduate/mechanical/
 Ryerson University
www.civil.ubc.ca/
 University of Regina
www.uregina.ca/gradstudies/calendar/programs/engineering.shtml
 University of Western Ontario
www.eng.uwo.ca/

Essential Characteristics

- Highly creative and analytical skills
- Strong leadership skills
- Organizational skills

