

CAREER PROFILE

CHIEF GEOPHYSICIST

Name: Craig Funk
Employer: PotashCorp
Education: BSc. Engineering Geology/
Geophysics;
MSc. Geophysics



DETAILS OF THE JOB: Craig leads a team of people whose main responsibilities are to ensure that the mining operations will not cause harm to people, the environment, or company facilities. "Our team is always thinking about rocks: we want to know what we will be mining into next and how the rocks will deform and move after we mine them." he says. Craig spends most of his time in the office, but also visits the mine sites routinely. A geophysicist working in potash has many different job tasks.

A TYPICAL DAY: In a typical day Craig might spend time: studying earthquake data, analyzing seismic or ground penetrating radar data, writing reports, or visiting mine sites to present findings or to assess unusual conditions encountered in a mine room.

SKILLS NEEDED:

- Good in physics and math
- Need to be curious
- Good communication skills so you can inspire others and present your innovations effectively

COMMENT: "I love my job because it allows me to pursue two of my biggest passions: innovation and coaching. I am always looking for better ways to do the things we do; such as improving the processes we use to collect data, making the software we use better, finding a safer way to do a task underground in the mine, and improving our equipment. I push others on my team to also be innovators by spending time with my group asking questions, challenging ideas, teaching, and encouraging. I feel it is important that the next generation of people are trained and prepared to do what I do after I leave." comments Craig.

WHERE CAN I GO TO GET AN EDUCATION? U. of Regina, U. of Saskatchewan

HELPFUL HIGH SCHOOL COURSES: Physical Science 20, Computer Science 20/30, Physics 30, Math 30, Pre-Calculus 20/30, Calculus 30, Earth Science 30

NOC: 2113

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