

<b>COMPETENCY 1 FOR RISK PREVENTION ENGINEERS</b>		<b>Managing technological risks</b>
<i>Workplace situations</i>	<i>Development trajectories</i>	
<b>Technological risk assessment</b>	Identify the types of risks and the means for managing these risks in a given situation relative to the laws and regulations in force.	
	Utilize risk assessment methods (FMEA, etc.).	
	Measure the influence of technical systems on overall performance.	
	Detect anomalies affecting the equipment supervision or management system.	
<b>Risk modelling</b>	Establish a model suited to the situation at hand.	
	Utilize a model (analyze and interpret the model in terms of technical operation).	
<b>Technological risk, operating safety, and reliability management</b>	Understand and manage risk analysis.	
	Understand interactions between people, the organization, and technological risk.	
	Manage crisis situations.	
	Implement action items factoring in economic requirements.	
	Work as part of a team in a multidisciplinary, multicultural context.	

<b>COMPETENCY 2 FOR RISK PREVENTION ENGINEERS</b>		<b>Managing occupational health risk</b>
<i>Workplace situations</i>	<i>Development trajectories</i>	
<b>Analysis of occupational health risks</b>	Identify relationships between working conditions and health.	
	Utilize methods and instruments to measure exposure to risk.	
	Factor in operators and other industrial stakeholders' perception of risk.	
	Compare the results with legal and regulatory requirements.	
<b>Prevention of occupational health risks</b>	Raise awareness of/communicate about risks.	
	Manage accidents.	
	Implement technical and organizational solutions.	
	Coordinate and train on risks.	
	Develop indicators to monitor action plans (including occupational health costs).	
	Demonstrate knowledge of scheduling and management tools.	
	Manage men and women in a multicultural context.	

<b>COMPETENCY 3 FOR RISK PREVENTION ENGINEERS</b>		<b>Managing environmental risks</b>
<i>Workplace situations</i>	<i>Development trajectories</i>	
<b>Assessment of environmental impacts</b>	Demonstrate knowledge of major, large-scale environmental issues.	
	Keep up with legal and regulatory changes (laws, standards, regulations).	
	Demonstrate knowledge of pollutant testing methods.	
<b>Management of environmental risk</b>	Utilize pollutant dispersion modelling tools.	
	Manage the implementation of processes to control pollutant emissions.	
	Write up administrative reports and regulatory filings.	
	Implement a site environmental management policy (indicators).	
	Factor in the societal impacts of the planned activity.	

<b>COMPETENCY 4 FOR RISK PREVENTION ENGINEERS</b>		<b>Communicating</b>
<i>Workplace situations</i>	<i>Development trajectories</i>	
<b>Appropriate behavior when working with a team</b>	Develop a capacity for empathy.	
	Identify and recognize diverse interests and viewpoints.	
	Utilize communication tools appropriate to different cultural contexts.	
<b>Formulation and extraction of relevant information from complex concepts and ideas</b>	Demonstrate organized, structured thinking.	
	Explain complex situations so that they are easy to understand.	
<b>Presentation of reports and recommendations</b>	Present information orally and in writing clearly in at least French and English.	
	Utilize persuasive discourse to obtain buy-in for an idea or project.	
<b>Career trajectory</b>	Demonstrate openness to new cultural environments.	
	Develop a career plan.	
	Build and expand a professional network.	
	Develop a career plan.	