

Master of Engineering Management

Learning Outcomes

Last Updated: October 19, 2015

(Sa151009-5.5.5)

<p>Program Learning Outcomes (Degree Level Expectations) <i>This is a sentence completion exercise. Please provide a minimum of 1 learning outcome for each of the boxes associated with a graduate attribute.</i></p> <p><u>At the end of this program, the successful student will know and be able to:</u></p>	<p>Characteristics of a University of Windsor Graduate</p> <p><u>A UWindsor graduate will have the ability to demonstrate:</u></p>	<p>OCGS-approved Graduate Degree Level Expectations</p>
<p>A. Appropriately incorporate business into the practice of engineering by applying relevant theory, frameworks and principles.</p>	<p>A. the acquisition, application and integration of knowledge</p>	<p>1. Depth and Breadth of Knowledge 2. Research and Scholarship 3. Level of Application of Knowledge 6. Awareness of Limits of Knowledge</p>
<p>B. Investigate and address problems that involve complex engineering topics from both business and operational perspectives.</p>	<p>B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)</p>	<p>2. Research and Scholarship 3. Level of Application of Knowledge 6. Awareness of Limits of Knowledge</p>
<p>C. Develop appropriate solutions for complex engineering problems by assessing the feasibility, benefit, cost and risks of various solutions from business, legal, operational and practical perspectives.</p>	<p>C. critical thinking and problem-solving skills</p>	<p>1. Depth and Breadth of Knowledge 2. Research and Scholarship 3. Level of Application of Knowledge 4. Professional Capacity/autonomy 6. Awareness of Limits of Knowledge</p>
<p>D. Integrate financial and accounting literacy and numeracy skills to, analyze and solve engineering problems that combine business and operational aspects.</p>	<p>D. literacy and numeracy skills</p>	<p>2. Research and Scholarship 5. Level of Communication Skills</p>
<p>E. Identify the scope of roles from multiple disciplines within a technology ventures with compliance with societal expectations.</p>	<p>E. responsible behaviour to self, others and society</p>	<p>4. Professional Capacity/Autonomy 6. Awareness of Limits</p>
<p>F. Communicate engineering problems and solutions with clarity to audiences of multi-disciplinary backgrounds.</p> <p>Analyze information and produce reports that integrate the business and technical aspects of engineering projects.</p>	<p>F. interpersonal and communications skills</p>	<p>5. Level of Communication Skills</p>

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G. Work independently and as a member and/or leader of diverse teams that include sales, marketing, operations, administration, as well as engineering.	G. teamwork, and personal and group leadership skills	4. Professional Capacity/Autonomy 5. Level of Communication Skills
H. Identify effective, innovative and feasible solution alternatives for complex engineering problems that take into account various requirements and specifications.	H. creativity and aesthetic appreciation	2. Research and Scholarship 4. Professional Capacity/autonomy 6. Awareness of Limits of Knowledge
I. Engage in a dynamic environment and continuously upgrade engineering and management skills and expertise.	I. the ability and desire for continuous learning	4. Professional Capacity/autonomy