

Certificate in Applied Information Technology

Learning Outcomes

Last Updated: May 26, 2017

(Sa170526-5.5.4)

<p>Program Learning Outcomes <i>(see Appendix A for more on learning outcomes)</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>A U of Windsor graduate will <u>have the ability to demonstrate:</u></p>	<p>COU-approved Undergraduate Degree Level Expectations</p>
<p>A.</p> <ul style="list-style-type: none"> - Describe hardware and software components of computer systems, the software development life cycle. - Explain underlying technologies of Internet, social media and mobile applications. - Apply Boolean logic to pinpoint useful and reliable information available on the Internet. - Explain ethical, privacy and intellectual property issues related to the Internet. - Explain the use of databases in an information society. 	<p>A. the acquisition, application and integration of knowledge</p>	<ol style="list-style-type: none"> 1. Depth and Breadth of Knowledge 2. Knowledge of Methodologies 3. Application of Knowledge 5. Awareness of Limits of Knowledge
<p>B.</p> <ul style="list-style-type: none"> - Use appropriate modules from standard libraries for writing programs. - Analyze requirements for web-based data management and social media applications. - Locate, analyze and evaluate ethical use of information from a variety of sources and media. 	<p>B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)</p>	<ol style="list-style-type: none"> 1. Depth and Breadth of Knowledge 2. Knowledge of Methodologies 3. Application of Knowledge 5. Awareness of Limits Knowledge
<p>C.</p> <ul style="list-style-type: none"> - Create algorithmic and program solutions to a wide variety of problems. - Evaluate and debug software programs. - Design and construct well-structured, use able, and accessible web sites and complex web-based data management systems. - Evaluate system security issues and their impact on individuals, organizations, and society. - Formulate strategies for using social media, mobile technologies, and web technologies to meet clients' requirements. 	<p>C. critical thinking and problem-solving skills</p>	<ol style="list-style-type: none"> 1. Depth and Breadth of Knowledge 2. Knowledge of Methodologies 3. Application of Knowledge 5. Awareness of Limits of Knowledge
<p>D.</p> <ul style="list-style-type: none"> - Analyze information from various Internet sources and review the problem solving process. 	<p>D. literacy and numeracy skills</p>	<ol style="list-style-type: none"> 4. Communication Skills 5. Awareness of Limits of Knowledge

Program Learning Outcomes <i>(see Appendix A for more on learning outcomes)</i> <u>At the end of this program, the successful student will know and be able to:</u>	Characteristics of a University of Windsor Graduate <u>A U of Windsor graduate will have the ability to demonstrate:</u>	COU-approved Undergraduate Degree Level Expectations
E. - Practice Internet and social media etiquettes appropriate to given situations. - Underline the major Internet risks in privacy, security, copyright and intellectual property laws. - Appraise the influences of various cyber-ethics concerns from different perspectives on both individual and society.	E. responsible behaviour to self, others and society	5. Awareness of Limits of Knowledge 6. Autonomy and Professional Capacity
F. - Defend a position on the regulations of cyberspace and discuss the impacts of the global digital divide. - Relate various governmental accessibility laws and standards to web applications.	F. interpersonal and communications skills	4. Communication Skills 6. Autonomy and Professional Capacity
G. - Interact constructively with others to solve practical problems and design functional web sites.	G. teamwork, and personal and group leadership skills	4. Communication Skills 6. Autonomy and Professional Capacity
H. - Design aesthetically pleasing web documents and web sites. - Design professional interfaces to present information. - Classify aesthetically pleasant web sites in terms of their functionality.	H. creativity and aesthetic appreciation	2. Knowledge of Methodologies 3. Application of Knowledge 6. Autonomy and Professional Capacity
I. - Recognize the changing nature of information on the internet and develop an understanding to learn the new technologies and social media applications. - Appraise end-user's requirements and accordingly choose appropriate social media paradigm and underlying mobile technology.	I. the ability and desire for continuous learning	6. Autonomy and Professional Capacity