



## University of Washington – Distance Learning Programs in Hong Kong

### Master in Strategic Planning for Critical Infrastructures & Other Non-degree Courses

*In-Com Link Management Associates Ltd., is proud of representing the University of Washington, a well-known University in the world, to present its on-line distance learning programs with the support of our professional services in Hong Kong.*

#### About Us



#### Corporate Services

*In-Com Link Management Associates Ltd., was formed in 2002 by a group of business professionals. The management team is being led by qualified accountants, IT experts, and professional trainers to provide management consultancy and training services to different types of clients.*

*ICL Distance Learning Center, a division of In-Com Link Management Associates Ltd., provides high quality training and educational programs, materials, workshops and seminars to different sectors in Hong Kong*

#### About The University of Washington



*Founded in 1861, the University of Washington is one of top universities in USA. Since 1969,*



*the University has ranked among the top five institutions in the nation in receipt of federal awards. Since 1974, it has been the number one public university in America in receiving federal support for research and training. Federal agencies provide about 77 percent of the University's grant and contract support.*

*The University of Washington belongs to **The Alliance**, a collaboration with the University of Wisconsin, Penn State University, and the University of California-Berkeley to cooperate in the development, sale, licensing, marketing and delivery of online education.*

*The University has partnered with several professional organizations, including the **Institute of Electrical and Electronic Engineers (IEEE)** and the **American Society of Mechanical Engineers (ASME)**.*



## **Master in Strategic Planning for Critical Infrastructures**

### **A Leadership Program for Homeland Security**

*A professional program for leaders in charge of protecting critical infrastructures and emergency services. Developed for officials in public and private infrastructure systems, emergency management and homeland security.*

*"It is a matter of discretion for individual employers to recognize any qualification to which this course may lead".*

### **Program Overview**

*Developed in partnership with **the Washington State National Guard**, this online graduate program is designed to train managers in the strategic decision-making required to prevent and counter threats to the country's critical infrastructure and public health.*

### **Course Structure**

*The analytic approach characteristic of this program seeks to make the critical infrastructures more resilient to break-down, whether caused by terrorist acts, natural hazards, or normal accidents.*

### **Distinctive Features**

- 1. A critical infrastructures sequence of courses provides in-depth understanding of vital infrastructure systems, and instruction in systems thinking/systems analysis.*
- 2. A strategic planning practicum sequence of courses employs case-based and problem-based instruction, focusing on strategic thinking and leadership skills, and the application*



*of content and methods to cases and problems.*

- 3. Emphasizes legal, constitutional and ethical issues related to homeland security.*
- 4. Biological and chemical hazards are covered to help participants understand health services systems and their response to emergencies.*
- 5. Courses on advanced geographic information systems analysis and spatial modeling examine infrastructure systems, risk management and communication.*
- 6. Courses have been developed by the UW Department of Urban Design and Planning with collaboration by the UW School of Public Health and Community Medicine.*



## **Curriculum**

*To earn the masters degree, students complete **52 credits (15 core courses); an additional 7 credits (2 prerequisite courses)** may be required for individuals needing to build specific background knowledge or skills. To earn the degree, students take two courses per quarter, except for the last quarter, when they enroll for the six-credit capstone course.*

*Students new to this field are required to take two pre-requisite courses:*

- *Fundamentals of Database Management*
- *Geographic Information Systems Fundamentals*

*The above courses are available from UW Extension and are offered via distance learning; similar courses may be offered elsewhere. Students planning to enter the program in fall, 2004 who lack the skills/knowledge represented by the above courses can take them from UW Extension starting in fall, 2003. Both courses are likely to be offered again in winter and summer, 2004. Individuals with previous experience/education in these areas may petition to have the pre-requisites waived.*

***Eight** of the 15 core courses focus on methods and processes related to planning and monitoring critical infrastructures, and general management and leadership.*

***Six** of the 15 core courses focus on substantive knowledge related to critical infrastructure systems, providing a working knowledge of these systems, the hazards confronting them, and preventive measures. Courses also provide a working knowledge of epidemiological factors, biological processes, and biological and chemical hazards and measures to reduce and respond to risks. + **One** capstone project.*

## **Methods and Process Courses**

- 1. Strategic Planning and Systems Analysis*



2. *Introduction to Comprehensive Emergency Management*
3. *Constitutional Issues in Homeland Security*
4. *Strategic Planning Practicum I (processes, contingency planning, problem solving, systems and policy analysis)*
5. *Strategic Planning Practicum II (incorporates use of analytic methods, GIS, and risk management)*
6. *Strategic Planning Practicum III (continues application of methods and substantive knowledge to cases)*
7. *Risk Management*
8. *Applied Geo-Spatial Analysis*

### **Content Courses**

1. *Critical Infrastructure Systems I: Transportation, Power and Fuel Systems, Water Supply*
2. *Critical Infrastructure Systems II: Cyberterrorism and Communication Systems*
3. *Critical Infrastructure Systems III: Emergency Services, Public Health, Epidemic Investigation and Disease Control*
4. *Critical Infrastructure Systems IV: Government Services, Banking and Finance, Business continuity*
5. *Epidemiology of Biological and Chemical Hazards I: Principles*
6. *Epidemiology of Biological and Chemical Hazards II: Applications*

**Capstone course:** *development of a case study, under instructor supervision, demonstrating mastery of at least one method studied, one critical infrastructure, one hazard, and one factor or issue.*

### **Admission Requirements**

1. *A baccalaureate degree (B.A. or B.S.), with a minimum grade point average of 3.0 (B) in the final two years of study.*
2. *Completion of the Graduate Record Examination (GRE).*
3. *Application materials including: a résumé outlining educational and work experience; a personal statement of purpose, outlining career goals and expectations; transcripts; three letters of recommendation.*

### **Course Fee for 2003-2004:**

**Tuition is US\$399 per credit; total credits including the pre-requisites are 59.** *The tuition excludes application fee. The cost of textbooks and other course materials are extra. Tuition is payable on a quarter-by-quarter basis. Fees are subject to change.*





### **Delivery Mode:**

*Students can complete the whole degree in Hong Kong. Students start each course together, and have a peer group to share experiences as they proceed through the program. The program relies on the MyUW infrastructure, with syllabus, threaded discussion and quizzes. In addition, some courses may make use of animations, video and other media. Students use the Internet and voice mail to communicate with each other and instructors.*

### **Assessment Methods**

*Students may be required to take examinations and specific assignments in Hong Kong. This will vary from course to course -- most of the work will involve papers and projects as opposed to examinations. Typically, each course includes 9 or 10 lessons; there tends to be at least one assignment per lesson; sometimes this is an interactive conversation/discussion with classmates and the instructor, other times it will be an actual deliverable (like a project or paper).*



### **In-Com Link Administration Charge (Optional):**



***Our administration charge, other than application fee, is OPTIONAL for the students. Students are freedom to pay the following fee if they want to join our study-facilitating scheme.***

- 1. Annual student subscription HK\$1,500 per annum. The fee is only to cover our administration cost to organize local study groups and recruit personal tutor for email/telephone tutorial support. However, students should aware this fee excludes any charges for booking venue or tutorial costs. For each seminar or study group discussion forum, students will be informed the fee to be charged in advance. Students have their own freedom to take the seminar/discussion forum or not. All seminars will be conducted on Sundays at Macau/Shenzhen Hotels in management retreat style.*
- 2. HK\$250 for marking each mock exercise/assignment.*
- 3. HK\$300 Non-refundable Application Fee*

**Note: USA citizens should apply directly to the University, not us.**



**Other Non-degree Courses:**

***Certificate Program: Business Foundations (University's accredited program)***

***Certificate Program: Web Consultant for Small Business***

(Approved by the UW Computer Science and Engineering Department and the UW Information School, in partnership with Prentice Hall, the Public Broadcasting System and the World Organization of Webmasters.)

***Certificate Program: Writers' Program***



**For more detail about our organization, please contact:**

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*All of above information is for reference only. In-Com Link Management Associates Ltd., reserves the right to change the information without prior notice. Please check with us at first.*