BACHELOR OF INFORMATION MANAGEMENT (BIM) – CO-OP PROGRAM

SKILLS AND COMPETENCIES ACQUIRED THROUGH THE BIM PROGRAM

***BIM Program Objectives*:**
- To prepare graduates who will be competent and effective professionals in information processing whether they are in public or private working environments. This is based on the belief that, for corporations as well as organizations, information is just as important a resource as its human, physical and financial assets.
- To train student who will acquire a solid base in the areas of Information Sciences, Information Management Systems, Workplace Organization and Communications, as well as develop the skills needed to effectively manage large segments of information available to those who are in charge.
- The student is a resource person with the capacity and the flexibility to provide support wherever it is required on the technical, organizational, or human level.

WORK TERM 1 2nd year completed: *(four study sessions)* Supervised work and initial training	• Introduction to Computer Sciences (Windows environment), Economics, Ethics, Business Mathematics and Statistics. • Introduction to the building of web applications (Basics, Dynamic web pages, Using Cascading Style Sheets, animations, etc.) • Introduction to basic sources and to basic systems for gathering information. • Introduction to an understanding of financial statements and their (GAAP-Generally accepted accounting principles). • Initiation to resources in a University Library, online search, data management and scientific analysis of documents. • Programming Language, C++, Java (syntax, elementary and abstract data structure (lists, files, stacks, queues, etc.)). • Scientific approaches to archive management, from creation to disposal. • Principles and methods of digital media storage (practical case studies). • Skills in internal and external e-Business Communications, especially those related to Internet and Intranet technologies used in the e-commerce sector (design, site management, and issues related to the protection of site security). • Implementation of a database with ms-access, SQL Server. ***The student must add one optional course (specialization), two elective courses in related fields and two courses of choice.***
WORK TERM 2 Six study sessions completed Periodically supervised work **WORK TERM 3** Semi-autonomous work under limited supervision	• Study of main types of telecommunication networks, features, possible uses in organizations, configuring local area networks, resource-sharing, and security • Handling various computer software and devices used to complete multimedia projects. • Develop basic concepts, data structures, query languages, possible applications of databases, implementation of a complex database. • Information retrieval, information products, intelligents agents utilisation, competitive intelligence. • Information systems: components, resources, activities. • Evaluation of the information needs in the organisation, information management approaches. • Study of the human and organizational impacts relating to information technology, information training. • Policies and Ethics (privacy, freedom of information, access to information, and the issue of security). ***The student must add three optional courses (specialization) and one course of choice.***

LIST OF BIM OPTIONAL COURSES (SPECIALIZATION) – THE STUDENT MUST COMPLETE A TOTAL OF SIX

GEIN 2100 Intro. to Health Management Information GEIN 3100 Information Query Techniques GEIN 3400 Communication Protocols GEIN 3500 Data Transmission GEIN 3700 Knowledge Management GEIN 3800 Information Audit GEIN 3900	GEIN 4100 Leadership and supervision GEIN 4200 Diagnosis and Organizational Development GEIN 4300 Technology and Business GEIN 4400 Classification of Archives GEIN 4500 Directed Studies GEIN 4600

Bureau de l'enseignement coopératif
Université de Moncton – Shippagan, NB E8S 1P6
2007-08-02   Phone: (506) 336-3615 – Fax: (506) 336-3604 – Email: info@umcs.ca – Web site: www.umoncton.ca/coop   Français au verso