

**UNIVERSITY OF MASSACHUSETTS LOWELL
CONTINUING STUDIES AND CORPORATE EDUCATION**

INFORMATION TECHNOLOGY

CERTIFICATE AWARD PETITION

(SUBMIT AFTER CERTIFICATE APPLICATION HAS BEEN ACCEPTED AND REQUIRED COURSES AND ELECTIVES HAVE BEEN COMPLETED)

Name _____ Date Submitted _____
Student ID _____
Address _____ Tel. No. _____
(street) _____
Email Address _____
(city) (state) (zip code)

ADMISSIONS INFORMATION

Undergraduate Degree _____ Major _____
School _____ Date Received _____
Intended Degree at UML, if any: _____

Do you want counseling about a degree program? ___ Yes ___ No

COURSE METHOD (Check)

___ *On Campus* ___ *Off Campus* ___ *Online* ___ *Mixed*

SIX COURSES SUBMITTED TOWARD CERTIFICATE (Check)

Students must have attained a 2.0 grade point average in order to receive a certificate.

REQUIRED COURSES (2)

___ 90.160 Introduction to Information Systems ___ 90.202* Introduction to Personal Computing and Microsoft Office**

ELECTIVES (4*)**

Programming Electives

___ 90.211* Introduction to Programming with C, Part I
___ 90.212* Introduction to Programming with C, Part II
___ 90.220* Visual Basic
___ 90.267* C Programming
___ 90.268* C++ Programming
___ 90.269* Advanced C++
___ 90.270* Visual C++
___ 90.364* Problem Solving with C

Multimedia/Web Electives

___ 90.230 Introduction to Multimedia
___ 91.113 Exploring the Internet

Database Electives

___ 90.171 Applications Software: Access
___ 90.342 Web-Enabled Database Development
___ 90.474* Relational Database Concepts

Additional Electives

___ 90.311* Introduction to the UNIX Operating System
___ 90.312* Shell Scripting
___ 90.461 LAN/WAN Technologies

*Note: Prior to March 2001, the asterisked 90. _ _ _ course numbers were previously noted as 92. _ _ _ course numbers.

**Students with spreadsheet and database experience can replace 90.202 with any of the elective courses listed above.

***See Continuing Studies Course Catalog for computer courses with the 90.xxx prefix.

SUBSTITUTED COURSE OR TRANSFER COURSE (only one course permitted)

Course Name _____ College where taken _____ Year _____
Substituted for UML Course _____

SIGNATURE REQUIRED:

Student Signature / Date *Program Coordinator / Date*