UNIVERSITY OF MASSACHUSETTS LOWELL
CONTINUING STUDIES AND CORPORATE EDUCATION

ELECTRO-OPTICS

CERTIFICATE AWARD PETITION

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

Date Submitted ____________________________________

Name ____ Student ID____

Address ____ Tel. No. ____

(street)

____ Email Address: ____________________________________

(city) (state) (zip code)

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ADMISSIONS INFORMATION

Undergraduate Degree ______________________ Major ____

School ____________________________________ Date Received ____

Intended Degree at UML, if any: ____

Do you want counseling about a degree program? ___________

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COURSE METHOD (Check)

____***On*** *Campus* ____***Off*** *Campus* ____***On****line* ____***Mix****ed*

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SEVEN COURSES SUBMITTED TOWARD CERTIFICATE (Check)

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

REQUIRED COURSES (4 or 5)

Electro-Optics Track (Required Courses then 3 Electives)

___17.200 Basic Geometrical Optics
___17.300 Basic Physical Optics
___17.376 Electromagnetic Theory I
___17.479 Electro-Optics

Communications Track (Required Courses then 2 Electives)

___17.201 Introduction to Fiber Optics
___17.202 Introduction to Optical Systems
___17.301 Math for Signal Processing
___17.302 Wave Optics
___17.479 Electro-Optics

ELECTIVES (2 or 3)

___17.415 Advanced Topics in Optical Engineering
___17.447* Fiber Optic Networks
___17.461 Lasers and Laser Systems
___17.463 Biomedical Optics
___17.464 Industrial Optics
___17.465 Infrared Optical Systems
___17.477 Electromagnetic Theory II
___17.480 Electro-Optics Laboratory
___17.481* Advanced Topics in Photonics

**Indicates recommended electives*

SUBSTITUTED COURSE OR TRANSFER COURSE *(only one course permitted)*

Course Name ____ College where taken ______________________ Year ______

Substituted for UML Course____

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SIGNATURE REQUIRED:

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Student Signature / Date *Program Coordinator / Date*

4/08

Mail to: University of Massachusetts Lowell, Continuing Studies and Corporate Education
One University Avenue, Lowell, MA 01854-2881