

ARTICULATION AGREEMENT

Between the

**COMPUTER SCIENCE
CURRICULUMS**

of

MIDDLESEX COMMUNITY COLLEGE

and the

**UNIVERSITY OF MASSACHUSETTS LOWELL
COLLEGE OF ARTS AND SCIENCES
DIVISION OF SCIENCES**

Fall 2006

This articulation agreement has been established between Middlesex Community College and the University of Massachusetts Lowell, College of Arts and Sciences, Division of Sciences. This agreement was developed with the intent of facilitating the transfer process from Middlesex Community College to the University of Massachusetts Lowell. These agreements will serve as a guideline for those who desire to transfer into the College of Arts and Sciences, Division of Sciences, at the University of Massachusetts Lowell.

Students completing the Computer Science Transfer program at Middlesex Community College, in accordance with the minimum standards as set by the College of Arts and Sciences, Division of Sciences, Computer Science Department at the University of Massachusetts Lowell, will be admitted to that major at the University of Massachusetts Lowell. Students who do not meet the aforementioned minimum standards will be considered for admission to the University of Massachusetts Lowell on a case-by-case basis.

OBJECTIVES:

1. To encourage the transfer of qualified students from Middlesex Community College to the University of Massachusetts Lowell.
2. To award academic credit for courses completed at Middlesex Community College that meet the terms of the Computer Science Transfer Associate Degree as stated in this agreement for application toward the requirements for the Bachelor of Science Degree at the University of Massachusetts Lowell.
3. To provide effective and concise guidelines for students seeking to transfer to the University of Massachusetts Lowell. Students will have accurate and clear information regarding the transfer of their coursework and credits toward the Bachelor's Degree at the University of Massachusetts Lowell.

TERMS OF THE TRANSFER ARTICULATION AGREEMENT:

1. The University of Massachusetts Lowell guarantees the acceptance of students who completed the Computer Science Transfer Associate Degree program at Middlesex Community College with an overall GPA of 2.5 or better to the College of Arts and Sciences, Division of Sciences, Computer Science major.
2. The University of Massachusetts Lowell guarantees the transfer of credit as stipulated in the attached Program of Studies. This agreement assumes the completion of the Associate Degree and completion of the courses listed on the attached Program of Studies. The University of Massachusetts Lowell may require that 50% of the major is completed in residence; a minimum total of 120 credits must be completed to earn a Bachelor's degree in Science. The University of Massachusetts Lowell may accept courses taken beyond the Associate Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts Lowell for approval.
3. Middlesex Community College transfer students will be subject to all general education requirements of the University of Massachusetts Lowell as set forth in the University of Massachusetts Lowell catalog. Students

meeting the requirement of the Commonwealth Transfer Compact will be exempt from 35 credits of University general education requirements, but will be required to meet any specific College of Arts and Sciences, Division of Sciences, Computer Science department general education requirements.

4. This document is based upon the evaluation of course descriptions presented to the University of Massachusetts Lowell. Courses as listed in this agreement will transfer to the University of Massachusetts Lowell provided a grade of "C-" or better has been earned. When appropriate, the requirements of the Commonwealth Transfer Compact will be honored.
5. Middlesex Community College students interested in participating in this agreement should be advised to take the suggested liberal arts courses. These courses are required at the University of Massachusetts Lowell and students are advised to complete them as part of their Associate Degree.
6. This agreement shall remain in effect for a period of two years from the date listed below, with the provision that the terms specified herein will continue to apply to students admitted from Middlesex Community College's Computer Science Transfer Associate Degree program within one year of the expiration of the agreement. Each institution agrees to provide timely notice to the other in the event of any modification to the curriculum that might affect compatibility for admission and transfer of coursework. This agreement may be subject to change, without notice, if curriculum requirements change at either institution. Students admitted to the Middlesex Community College's Computer Science Transfer Associate Degree program prior to such notification shall be admitted to the University of Massachusetts Lowell on the basis of this agreement.

Signatures

David J. MacKenzie, Chancellor
University of Massachusetts Lowell

Carole A. Cowan, President
Middlesex Community College

Date

Transfer Articulation Agreement
Middlesex Community College Computer Science Transfer
transferring into
UMass Lowell College of Arts and Sciences, Division of Sciences
Computer Science Major
(for students matriculating at
Middlesex Community College prior to Fall 2006)

NOTES:

- A minimum 2.5 cumulative GPA is required for admission to this major
- A maximum of 20 courses will be accepted in transfer
- A minimum grade of "C-" is required for a course to transfer to UMass Lowell

Middlesex Community College			UMass Lowell		
COURSE #	TITLE	CR	COURSE #	TITLE	CR
MA 1108	Precalculus I	4		No credit for Computer Science Majors	
MA 1110	Precalculus II	3		No credit for Computer Science Majors	
MA 1118	Discrete Math	3	92.299	Math Elective NOTE: Substitutes for 92.321 Discrete Structures I (with exemption form)	3
MA 1125	Calculus I	4	92.131	Calculus I	4
MA 1126	Calculus II	4	92.132	Calculus II	4
CS 1105	Intro to LINUX	1	91.199	Computer Science Elective	1
CS 1201	Computer Org & Assembly Language	3	91.203	Assembly Language Programming	4
CS 1207	Data Structures	3	91.102	Computing II	4
CS 1111	Programming I	4	91.199	Computer Science Elective	3
CS 1112	Programming II	4	91.101	Computing I	4
CS 1213	Programming III	3	91.299	Computer Science Elective NOTE: Students who can demonstrate knowledge of Unix can receive transfer credit for 91.201 Computing III	3
SC 3201	Physics for Eng & Science I	4	95.141/ 96.141	Physics I/Lab	4
SC 3202	Physics for Eng & Science II	4	95.144/ 96.144	Physics II/Lab	4
EN 1103	English Composition I	3	42.101	College Writing I	3
EN 1105	English Composition II: Intro to Literature	3	42.102	College Writing II	3

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Transfer Articulation Agreement
Middlesex Community College Computer Science Transfer
transferring into
UMass Lowell College of Arts and Sciences, Division of Sciences
Computer Science Major
(for students matriculating at
Middlesex Community College beginning Fall 2006)

NOTES:

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Middlesex Community College			UMass Lowell		
COURSE #	TITLE	CR	COURSE #	TITLE	CR
HU_____	Humanities Electives: <u>Choose One</u> <ul style="list-style-type: none"> • HU2101 Art Apprec • HU2105 Art History I • HU 2106 Art Hist II • HU4106 Shakespeare • HU5101 Intro Philos • HU5121 Ethics & Soc • HU 6102 Child Lit • HU6104 Amer Lit I • HU6105 Mod Amer Lit • HU6135 Short Story • HU6156 Fam Matters • HU8101 Speech 	3	AH Gen Ed	Fulfills Arts & Humanities (AH) General Education Requirement	3
SO	Behavioral Science Elective: <u>Choose One</u> <ul style="list-style-type: none"> • SO1101 Cult Anthro • SO5101 Intro Psych • SO5106 Child Psych • SO5113 Psych of Pers • SO5115 Abn Psych • SO5121 Social Psych • SO6101 Intro Soc • SO6111 Soc of Family 	3	SS Gen Ed	Fulfills Social Sciences (SS) General Education Requirement	3
SO	Social Science Elective: <u>Choose One</u> <ul style="list-style-type: none"> • SO1131 World Geog • SO3101 West Civ I • SO3102 West Civ II • SO3111 US Hist I • SO3112 US Hist II • SO3134 World Civ I • SO3135 World Civ II • SO2111 Macroecon • SO2113 Microecon • SO3121 Intro Gov • SO3123 Amer Gov 	3	AH Gen Ed SS Gen Ed	Fulfills Arts & Humanities (AH) General Education Requirement Fulfills Social Sciences (SS) General Education Requirement	3
HU/MA/ SC/SO	Gen Ed or Approved Elective: <u>Choose Two</u> <u>from above lists of HU</u> <u>and SO electives:</u>	3	AH/SS Gen Eds	Fulfill Either an Arts & Humanities (AH) <u>OR</u> Social Sciences (SS) General Education Requirement	3
TOTAL CREDITS		64	TOTAL CREDITS		58