

Associate in Science in Computer Science Transfer

Course Title	Course#	Credits	Prerequisites
Programming I	CSC151	4	C- or better in CSC101 or permission of CS instructor
Linux Fundamentals	CSC156	3	CSC101 or NST165 or CSC151 or permission of instructor
Computer Organization and Assembly Language	CSC201	3	CSC252 or permission of instructor
Programming II	CSC252	4	C- or better in CSC151 or C- or better in ITC155
Programming III	CSC253	3	C- or better in CSC252
Data Structures	CSC257	3	C- or better in CSC253 or permission of CS instructor and current enrollment in, placement above or successful completion of MAT190
Precalculus I for Science	MAT185	4	MAT100 with a grade of C or better or placement by exam
Precalculus II	MAT190	3	MAT180 or MAT185 or MAT189 with a grade of C or better
Calculus for Science I	MAT290	4	MAT185, MAT190 with a grade of C or better or placement by exam above MAT190
Calculus for Science II	MAT291	4	MAT290 with grade C or better
English Composition I	ENG101	3	C- in ENG070 or ENG071 or eligible for ENG101 and placement above or successful completion of ENG060
English Composition II: An Introduction to Literature	ENG102	3	C- in ENG101
Behavioral Science Elective	_____	3	
Behavioral Science or Social Science Elective	_____	3	
Humanities Elective	_____	3	
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Humanities Elective	_____	3	
*Laboratory Science Sequence Elective	_____	4	
*Laboratory Science Sequence Elective	_____	4	
Social Science Elective	_____	3	

Total Credits: 67

General Education Electives: ANT,ART,BIO,CHE,COM,CSC, DAN,ECO, ENG (Must be Above 102), ENV,ETH,GEO,GGY,GOV,HST,HUM,LAN,LGL,*MAT(See Math Requirement Note)

Behavioral Science Electives: ANT,PSY,SOC

Social Science Electives: ECO,GGY,GOV,HST,LGL

Humanities Electives: ART,COM,DAN,ELL(Max 6 Credits, 075,076,085,086),ENG (Must be Above 102), ETH,HUM,LAN,MUS,PHL,REL,THE

Intensive Requirements

Intensive Name	Course Used
Written Communication	
Computer Literacy	
Impact of Technology	
Values, Ethics & Social Policy	
Multicultural or Global Awareness	
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Note: Any student entering MCC with 12 transfer credits or more will be exempt from the Intensive requirements.

Note: MA060, MA065, MA070, MA075, MA077 and MA080 will not satisfy any requirements in this program

For the Associate in Science in Computer Science, a total of 64 credits and a minimum cumulative GPA of 2.00 are required for graduation.

*Students are strongly advised to check the science requirements of the Computer Science program of their transfer institution.

General Computer Science majors must choose an 8 credit laboratory science sequence from the following 3 sequences:

- PHY 171 & PHY 172 Physics for Engineering and Science I and II
- CHE 151 & CHE 152 General Chemistry for Engineering and Science I and II
- BIO 131 & BIO 132 General Biology I and II

Students planning to choose the Bioinformatics or Cheminformatics option at UMass Lowell should take CHE 151 & CHE 152.

Welcome to Middlesex Community College

Middlesex Community College has graduated more than 12,000 people since 1971, and during the past two decades, has grown from a single building in Bedford to a major, two-campus institution of higher education located in Lowell and Bedford.

Today, you have to take future prospects into consideration at every stage of your education. At Middlesex, we help you connect your goals and ambitions with the knowledge and skills you will need to achieve them. Middlesex offers 71 certificate and associate degree programs, many of them designed to equip you for the current and future job market.

The college is committed to educational opportunity and instructional excellence. Faculty, advisors, counselors and other professional staff are actively involved in support systems that give students the confidence and study skills needed for academic progress.

Associate in Science in Computer Science

The Computer Science Transfer associate in science degree program provides the technical and general education courses necessary for transfer to bachelor's degree programs in computer science or related disciplines. Programming knowledge and training in problem solving and analysis is stressed. A considerable amount of hands-on computer experience is incorporated into the curriculum. Academic advisors work closely with students to assist them with course planning in accordance with their intended baccalaureate major and transfer institution.



Springs Road, Bedford MA 01730-9124
33 Kearney Square, Lowell MA 01852-1987

Associate in Science

Computer Science Transfer

Fall 2009

For first-time students enrolled:

Fall 2009