

This program is designed for students interested in the fields of general accounting, financial accounting, auditing, cost accounting, or management accounting in both the public and private sector. In all of these areas, records must be kept and financial reports prepared that provide the financial data needed to evaluate past performance and future operations. Compliance with Internal Revenue Service law and other government regulations requires that businesses maintain accounting records accurately and prepare appropriate reports. Graduates of this program are qualified for entry-level positions such as accounts payable or accounts receivable clerk, inventory manager, cost accounting clerk, junior accountant in public accounting firms, and full-charge bookkeeper in a motel or restaurant environment. Course work in computers further enhances employment opportunities, but a bachelor's degree in accounting is generally required for most professional positions. For more information, contact the Management Science Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 230	Introduction to Business	ENGLISH COMPOSITION I (ENG 101)	3
MAT	100 level or higher	Intermediate Algebra (MAT 099)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
BUS 103	Income Taxes	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3

Third Semester

BUS 106	VITA or	Income Taxes (BUS 103)	
BUS 104	Computerized Accounting	PRINC OF ACCT I (BUS 101)	3
BUS 201	Intermediate Accounting I	PRINC OF ACCT II (BUS 102)	3
SSI 222	Economics II: Macro	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
HUM/ENG	Humanities Elective		3

Fourth Semester

BUS 206	Introduction to Finance	PRINC OF ACCT II (BUS 102)	3
BUS 202	Intermediate Accounting II	INTERMED ACCT I (BUS 201)	3
BUS 203	Cost Accounting	PRINC OF ACCT II (BUS 102)	3
HUM	Humanities Elective		3
BUS	Business Elective*		3

Total: 62

*Business electives: Bus 231, Management 1; Bus 181, Starting Your Own Business; and Bus 298 Business Internship.

Joint Admissions Options

Fitchburg State
Framingham State into Business Administration
Mass. College of Liberal Arts into Business Administration

Transfer Articulation Options

MA College of Liberal Arts (Business Administration)

Financial records must be kept in all profit and non-profit organizations including government, industry, retail, the healthcare system and education. Those earning this certificate are equipped to work in business offices as bookkeeping clerks or entry-level financial assistants.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 107	Business Mathematics		3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3

Second Semester

ENG 102	English composition II	ENGLISH COMPOSITION I (ENG 101)	3
CIS 152	Intermediate Spreadsheet Applications	MICRO COMPUTER APPL (CIS 141)	3
BUS 104	Computerized Accounting	PRINC OF ACCT I (BUS 101)	3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3
BUS 103	Income Taxes	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
Total:			30

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
HUM 106	Black Theatrical Styles		3
HUM 542	African Art		3
SSI 203	Psychology of Racism in the U.S	ENGLISH COMPOSITION I (ENG 101); GENERAL PSYCHOLOGY (SSI 122)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI 119	Intro to U.S Govt. & Politics	ENGLISH COMPOSITION I (ENG 101)	3
ENG 225	African American Literature	ENGLISH COMPOSITION I (ENG 101)	3
HUM 106	Black Musical Styles		3
SSI 117	Comparative Slavery	ENGLISH COMPOSITION I (ENG 101)	3

Third Semester

LAN	Foreign Language I		3
HUM 504	Images of Black Americans in Western Culture	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI	Laboratory Science Elective		4
SSI 111	Black Studies I	ENGLISH COMPOSITION I (ENG 101)	3
LAN 203	Caribbean Literature		3

Fourth Semester

LAN	Foreign Language II		3
SSI 112	Black Studies II	BLACK STUDIES I (SSI 111)	3
SCI	Laboratory Science Elective		4
HUM 230	Directed Study: Theater		3
Total:			<u>60</u>

The Arts and Humanities concentration prepares students for transfer to a four-year college or university to pursue a variety of majors in the visual and performing arts (theater, music, visual arts, and dance). The background provided by study in these areas is also helpful for students considering undergraduate and/or graduate-level education in arts education and administration. For more information about this program, contact the Humanities Department in the Media Arts Building, Room 322.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI	Social Science (Group I)		3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Intro to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
HUM	Humanities Elective (Group I)		3
HUM	Humanities Elective		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science (Group II)		3
HUM	Humanities Elective (Group II)		3
ENG	Literature Elective		3
HUM 544	Elements of Art and Design		3

Third Semester

LAN	Foreign Language I		3
HUM	Humanities Elective (Group III)		3
HUM	Humanities Elective		3
SCI	Laboratory Science		4
SSI	Social Science (Group III)		3

Fourth Semester

LAN	Foreign Language II*		3
HUM	Humanities Elective		3
HUM	Humanities Internship		3
SCI	Laboratory Science		4
HUM	Directed Study: Humanities		3

Total: 63

*The second Language course must follow the first Foreign Language course.

NOTE: The Arts and Humanities/Visual Arts concentration requires six courses beyond the core Humanities requirements for an Associate of Arts Degree.

SSI Group I: Anthropology, Psychology, Sociology

SSI Group II: Economics, Political Science, Community Organizing

SSI Group III: History

Biological Science

Associate of Arts

Students choosing a Biological Sciences concentration receive a strong foundation in biology, chemistry, and mathematics. This foundation helps qualified students transfer to a four-year institution at the junior class level with a major in biology and/or a variety of health-related programs, including pre-medical, pre-veterinary, pre-dental, pharmacy, and nutrition. Students who seek employment after completing this program may qualify for entry-level positions such as a laboratory technician in a college or university environment, research laboratory, or pharmaceutical company. NOTE: When selecting Humanities Electives, be aware that many four-year colleges require two semesters of foreign language study. For more information about this program, contact the Science Department, Room 401, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
General Elective*			3
SSI	Social Science Elective (Group I)		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 103	Pre-Calculus or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SCI 104	Biology II	BIOLOGY I (SCI 103)	4
HUM	Humanities Elective		3
SSI	Social Science Elective (Group II)		3

Third Semester

SCI 123	Principles of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
SCI	Laboratory Science Elective**		4
ENG	Literature Elective		3
SSI	Social Science Elective (Group III)		3

Fourth Semester

SCI 124	Principles of Chemistry II	PRINC OF CHEM I (SCI 123)	4
SCI	Laboratory Science Elective*		4
HUM	Humanities Elective		3
General Elective*			3
Total:			61

*Recommended general electives: MAT 120, Statistics; SCI 105, Nutrition.
Lab Science electives: SCI 111, Botany; SCI 201, Anatomy & Physiology I;
SCI 202, A & P II; SCI 204, Microbiology; SCI 141, Physics I, SCI 142, Physics II;
SCI 143, Principles of Physics I; SCI 144, Principles of Physics II
SSI Group I: Anthropology, psychology, sociology
SSI Group II: Economics, political science, community organizing
SSI Group III: History

Joint Admissions Options

UMass Amherst into Natural Science & Math, Food & Natural Resources
UMass Boston into College of Arts and Sciences
UMass Dartmouth into College of Arts and Sciences
UMass Lowell into College of Arts and Sciences
Bridgewater State into All Majors
(except Aviation Science, Education, Social Work, Athletic Training)
Fitchburg State into Biology
Framingham State into Biology
Mass. College of Liberal Arts into Biology
Salem State into Biology

Westfield State
Worcester State into Biology; Natural Science

Transfer Articulation Options

UMASS Lowell (Clinical Lab)
UMASS Lowell (Medical Technology)
MA College of Liberal Arts (Biology, Pre-Med, Medical Technology)

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
General Elective*			3
SSI	Social Science Elective (Group I)		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 103	Pre-Calculus or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SCI 104	Biology II	BIOLOGY I (SCI 103)	4
HUM	Humanities Elective		3
SSI	Social Science Elective (Group II)		3

Third Semester

SCI 123	Principles of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
SCI 201	Anatomy & Physiology I	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4
ENG	Literature Elective		3
SSI	Social Science Elective (Group III)		3

Fourth Semester

SCI 124	Principles of Chemistry II	PRINC OF CHEM I (SCI 123)	4
SCI 202	Anatomy & Physiology II	ANAT & PHYS I (SCI 201)	4
HUM	Humanities Elective		3
SCI 299	Science Internship		3
Total:			<u>61</u>

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	1
ACS 100	College Survival Seminar		3
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
SCI 123	Principles of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4

Second Semester

CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SCI 104	Biology II	BIOLOGY I (SCI 103)	4
SCI 124	Principles of Chemistry II	PRINC OF CHEM I (SCI 123)	4

Third Semester

MAT 111	Mathematics for Technology	INTRODUCTORY ALGEBRA (MAT 088)	3
SSI/HUM	Elective		3
SCI 204	Microbiology	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4
SCI 206	Introduction to Biomanufacturing I	BIOLOGY I (SCI 103); PRINCIPLES OF CHEMISTRY I (SCI 123); ENGLISH COMPOSITION I (ENG 101)	4

Fourth Semester

SSI/HUM	Elective		3
SSI/HUM	Elective		3
SCI 207	Introduction to Biomanufacturing II	INTRO TO BIOMANUFACTURING I (SCI 206)	4
SSI/HUM	Elective		3

Fifth Semester

SSI/HUM	Elective		3
SCI 298	Internship in Biotechnology	INTRO TO BIOMANUFACTURING I (SCI 206)	3
SCI 208	Techniques in Molecular Biology	INTRO TO BIOMANUFACTURING I (SCI 206)	4
Total:			63

Biotechnology and bioscience industries are among the most rapidly expanding fields in Massachusetts. The Biotechnology/Bioscience certificate program is designed for the student who wishes to learn about the field of biotechnology or who may already have a scientific background but desires to study the details of this burgeoning field in the hope of gaining an entry level position at one of the many biotechnology companies, hospitals, clinics, or labs in the greater Boston areas: research assistants, lab technicians, manufacturing technicians, quality control technicians, documentation coordinator, and instrumentation calibration coordinator are examples of such careers.

For more information about this program, please call the Division of Math, Science and Technology, room 401 Academic Building, 617-541-5211 or 617-541-5317

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
SCI 123	Principles of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3

Second Semester

SCI 204	Microbiology	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4
SCI 206	Introduction to Biomanufacturing I	BIOLOGY I (SCI 103); PRINCIPLES OF CHEMISTRY I (SCI 123); ENGLISH COMPOSITION I (ENG 101)	4
MAT 111	Mathematics for Technology	INTRODUCTORY ALGEBRA (MAT 088)	3

Third Semester

SCI 207	Introduction to Biomanufacturing II	INTRO TO BIOMANUFACTURING I (SCI 206)	4
SCI 298	Biotechnology Internship	INTRO TO BIOMANUFACTURING I (SCI 206)	3
Total:			29

This program is designed for students who wish to begin a career in Broadcast Radio or Television. In addition to learning the latest in digital editing technology, students will use state-of-the-art equipment and develop, produce, and direct a short video project. Other techniques taught include synchronization, audio mixing, lighting, dubbing, and special effects production.

For information about this program, call the Division of Math, Science and Technology, room 401, Academic Building or call 617-541-5393, or 617-541-5317.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI	Laboratory Science sequence		4
MAT	100 level or higher	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
BMT 100	Intro. To Producing and Directing		3
BMT 120	Video Techniques		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI 123	Introduction to Sociology	DEV READ & WRITE 2 (ENG 091); Placement	3
BMT 110	Television Production	INTRO PROD&DIRECTING (BMT 100) or VIDEO TECHNIQUES (BMT 120)	3
HUM	Photography I (recommended) or Humanities Elective		3
ENG	Literature Elective		3

Third Semester

HUM	Acting for Stage & TV (recommended) or Humanities Elective		3
ENG 251	Journalism I	ENGLISH COMPOSITION I (ENG 101)	3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
BMT 230	Intro to Video Editing	VIDEO TECHNIQUES (BMT 120)	3
BMT 298	Internship I	INTRO. TO PRODUCING AND DIRECTING (BMT 100); VIDEO TECHNIQUES (BMT 120); TELEVISION PRODUCTION (BMT 110) or INTRO TO VIDEO EDITING (BMT 230)	3

Fourth Semester

SSI	U.S. History II (recommended) or Social Science Group III elective		3
SCI	Laboratory Science elective		4
BMT 210	Advanced Television Production	TELEVISION PRODUCTION (BMT 110)	3
BMT 235	Advanced Video Editing	INTRO.VIDEO EDITING (BMT 230)	3
BMT 299	Internship II	BMT INTERNSHIP I (BMT 298)	3

Total: 63

This exciting certificate program is designed to introduce the basic core skills needed for students who wish to begin a career in Broadcast Radio or Television and not pursue a degree track. In addition to learning the latest in digital editing technology, students will use state-of-the-art equipment and develop, produce, and direct a short video project. Other techniques taught include synchronization, audio mixing, lighting, dubbing, and special effects production.

For information about this program, call the Division of Math, Science and Technology, room 401, Academic Building or call 617-541-5393, or 617-541-5317.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BMT 100	Intro. To Producing and Directing		3
BMT 120	Video Techniques		3
HUM	Photography I (recommended) or Humanities Elective		3

Second Semester

MAT	100 level or higher	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
BMT 110	Television Production	INTRO PROD&DIRECTING (BMT 100) or VIDEO TECHNIQUES (BMT 120)	3
ENG 251	Journalism I	ENGLISH COMPOSITION I (ENG 101)	3
BMT 230	Intro to Video Editing	VIDEO TECHNIQUES (BMT 120)	3
Total:			25

This program is designed for students interested in transferring to a four-year college to pursue a major in accounting, banking, computer information systems, insurance, management, retailing, or other related business fields. A combination of specialized business courses and a broad-based liberal arts curriculum provides a strong foundation in oral and written communication, mathematics, and accounting. Career opportunities in this field are available in both the public and private sectors, and may include employment in government agencies, schools, industries, and accounting, insurance, or advertising firms. A bachelor's degree is essential for entry-level positions in teaching and certain administrative, research, industrial, and advertising positions. **NOTE:** Students who intend to transfer to a four-year college or university should consider the requirements of that institution before selecting their courses. For more information, contact the Management Science Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT	100 level or higher	Intermediate Algebra (MAT 099)	3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
HUM/ENG	Humanities Elective		3

Third Semester

BUS 231	Management I	ENGLISH COMPOSITION I (ENG 101)	3
SSI 222	Economics II: Macro	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
BUS	Business Elective*		3
SSI	Social Science Elective (Group III)		3

Fourth Semester

BUS 206	Introduction to Finance	PRINC OF ACCT II (BUS 102)	3
BUS 441	Introduction to Marketing	MANAGEMENT I (BUS 231)	3
SCI	Laboratory Science Elective		4
HUM/ENG	Humanities Elective		3
ENG	Literature Elective		3
Total:			63

*Business electives: BUS 103, Income Taxes, BUS 230, Introduction to Business, BUS 298, Business Internship

Joint Admissions Options

UMass Amherst into School of Management
 UMass Boston into College of Management
 UMass Dartmouth into Business and Industry
 UMass Lowell into College of Management
 Bridgewater State into Management Science
 Fitchburg State into Business Administration
 Framingham State into Business Administration
 Mass. College of Liberal Arts into Business Administration
 Salem State into Business Administration
 Westfield State into Business Management
 Worcester State into Business Administration

Transfer Articulation Options

Argosy University/Atlanta (Organizational Management)
 Regis College (Management)

Mt. Ida College (Business Administration)

The AS degree in Business Management provides a broad background in the basic principles and applications of marketing, production, finance, personnel management, and accounting. Students acquire skills that can be applied in a wide variety of businesses in positions such as management trainee, assistant manager, administrative assistant, or sales trainee. Students can enhance their career options by concentrating their course work in retailing, marketing, personnel, or other areas, and by participating in internship opportunities. For more information contact the Management Science Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 230	Introduction to Business	ENGLISH COMPOSITION I (ENG 101)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT	100 level or higher	Intermediate Algebra (MAT 099)	3
HUM/ENG/ LAN	Humanities Elective		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3

Third Semester

BUS 231	Management I	ENGLISH COMPOSITION I (ENG 101)	3
SSI 222	Economics II: Macro	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
BUS	Business Elective*		3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3

Fourth Semester

BUS 206	Introduction to Finance	PRINC OF ACCT II (BUS 102)	3
BUS 441	Introduction to Marketing	MANAGEMENT I (BUS 231)	3
BUS 232	Management II	MANAGEMENT I (BUS 231)	3
HUM/ENG	Humanities Elective		3
BUS	Business Elective*		3
Total:			62

*Business electives: BUS 103 Income Taxes, BUS 104 Computerized Accounting, BUS 203 Cost Accounting, BUS 282 Personnel Management, BUS 501 Intro to Hospitality, BUS 298 Business Internship.

Joint Admissions Options

MA College of Liberal Arts (Business Administration)

Transfer Articulation Options

Regis College (Management)

Mt. Ida College (Business Management)

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
BUS 181	Starting Your Own Business		3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT	100 level or higher	Intermediate Algebra (MAT 099)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
BUS	Entrepreneurship		3

Third Semester

BUS 520	Fundamentals of Customer Service		3
CIS 152	Intermediate Spreadsheet Applications	MICRO COMPUTER APPL (CIS 141)	3
SSI 222	Economics II: Macro	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
HUM/ENG	Humanities Elective		3

Fourth Semester

BUS 206	Introduction to Finance	PRINC OF ACCT II (BUS 102)	3
BUS	Taxation for Small Businesses		3
BUS 441	Introduction to Marketing	MANAGEMENT I (BUS 231)	3
HUM/ENG/ LAN	Humanities Elective		3
BUS	Business Internship (Entrepreneurship)		3

Total: 62

The computer has become an essential tool in many types of businesses as a means of managing the collection, retrieval and dissemination of information. As computer enhancements and advancements continue an ever-increasing marketplace of users is created. This in turn creates greater job opportunities for those individuals capable of operating the equipment and creating new computer programs. An AS degree in Computer Information Systems prepares students for entry-level positions: such as a computer programmer trainee, computer programmer assistant, or computer operator. Transfer to a four-year college or university program in management information systems is possible after completion of the AS degree.

For more information, contact the Computer Information Systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
CIS 101	Introduction to Computer Information Systems	ENGLISH COMPOSITION I (ENG 101)	3
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
HUM	Humanities Elective		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3
HUM	Humanities Elective		3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3

Third Semester

CIS 255	Programming with Java	INTRO TO PROGRAMMING (CIS 102); COLLEGE MATHEMATICS (MAT 101)	3
CIS	CIS Elective		3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3
SCI 141	Physics I	COLLEGE MATHEMATICS (MAT 101)	4
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3

Fourth Semester

CIS 267	Advanced Visual Basic	VISUAL BASIC (CIS 122); COLLEGE MATHEMATICS (MAT 101)	3
CIS 221	Systems Analysis & Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 271	Object-Oriented Programming	Programming w/ JAVA (CIS 255)	3
CIS 298	CIS Internship		3
SSI	Social Science Elective		3

Total: 62

Joint Admissions Options

Fitchburg State into Computer Information Systems
 Mass. College of Liberal Arts into Computer Science

*note: Worcester State will accept Pre-Engineering into Computer Science

Transfer Articulation Options

MA College of Liberal Arts Computer Science

The program is structured to help meet the career goals of individuals who at present have little or no academic or work-related background in computer programming. Upon completion of a certificate in Computer Information Systems, individuals are prepared to fill a variety of entry level support positions in training, sales, or demonstration of software. For more information contact the Computer Information Systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3
CIS	CIS Elective		3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3

Third Semester

CIS 221	Systems Analysis & Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 255	Programming with JAVA	INTRO TO PROGRAMMING (CIS 102); COLLEGE MATHEMATICS (MAT 101)	3
CIS 271	Object Oriented Programming	Programming w/ JAVA (CIS 255)	3
CIS 267	Advanced Visual Basic	VISUAL BASIC (CIS 122); COLLEGE MATHEMATICS (MAT 101)	3

Total: 30

Computer Science

Associate of Science

Preparation for becoming computer programmers, systems analysts, database administrators, or other related computer personnel requiring bachelors' degrees can begin here. This associate degree builds a strong foundation. Internship or work experience, although not required, will enhance employment opportunities for associate degree graduates.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	Humanities Elective		3
SSI	Social Science Elective (group I)		3
MAT 201	Calculus I	PRE-CALCULUS (MAT 103); Placement	4

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
HUM	Humanities Elective		3
SSI	Social Science Elective (group II)		3
MAT 203	Calculus II	CALCULUS I (w/applc) (MAT 201)	4
CIS 210	Computer Science I		4

Third Semester

ENG	Literature Elective		3
	Discrete Math	Calculus I (w/applc) (MAT 201)	4
MAT 225	Linear Algebra		4
SCI 143	Principles of Physics I	CALCULUS I (w/applc) (MAT 201) concurrent; DEV READ & WRITE 2 (ENG 091)	4
CIS 220	Computer Science II	COMPUTER SCIENCE I (CIS 210); CALCULUS I (w/applc) (MAT 201)	4

Fourth Semester

SSI	Social Science Elective (group III)		3
MAT 205	Calculus III	CALCULUS II (w/appl) (MAT 203)	4
SCI 144	Principles of Physics II	CALCULUS II (w/appl) (MAT 203) concurrent; PRINC OF PHYSICS I (SCI 143)	4
CIS 230	Data Structures and Algorithms	COMPUTER SCIENCE II (CIS 220)	4

Total: 65

SSI Group I: Anthropology, Psychology, Sociology

SSI Group II: Economics, Political Science, Community Organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst
UMass Boston
UMass Lowell
Bridgewater State
Fitchburg State
Framingham State
Salem State
Worcester State

The Program offers students an academic foundation in Criminal Justice combined with an emphasis on a real world understanding of the field. The curriculum is designed to encourage academic excellence while incorporating the college's commitment to cultural education, strengthening the community and educating Criminal Justice professionals who are sensitive to the needs and concerns of people of color. Courses in the major include Introduction to Criminal Justice, Law Enforcement Operations and Criminal Law. Other Program courses, including English, Humanities, Mathematics and Social Sciences are designed to facilitate transfer to four-year Programs. For more information about opportunities in Criminal Justice contact Carol Liebman, Program Coordinator, in the Academic Building, Room 418.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CJP 100	Introduction to Criminal Justice	English Comp I (ENG 101)	3
CJP 110	Introduction to Criminology	English Comp I (ENG 101)	3
	Elective		3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
CJP 120	Criminal Law	English Comp I (ENG 101)	3
CJP 130	Law Enforcement Operations	English Comp I (ENG 101)	3
MAT 120	Introductory Statistics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3

Third Semester

CJP 140	Criminal Court Process	English Comp I (ENG 101)	3
CJP 210	Correctional Institutions	English Comp I (ENG 101)	3
SSI 123	Introduction to Sociology	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	Humanities Elective		3
SCI	Laboratory Elective		4

Fourth Semester

CJP 200	Constitutional Law	English Comp I (ENG 101)	3
CJP	Criminal Justice Elective		3
SSI 119	Introduction to U.S. Government and Politics	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective		3
HUM	Humanities Elective		3

Total: 62

*Electives: Race, Ethnicity and Crime or Law and Society-Social Science Elective. Human Conduct and values is recommended. At least one Humanities or Social Science Elective must be a course in cultural studies (Black Studies I & II, Caribbean History, Images of Black America in Western Culture, Introduction to Cultural Anthropology, Introduction to Humanities, Latin American History I, Modern African History).

Criminal Justice Electives: CJP 115, The Criminal Mind; CJP 160, Juvenile Justice; or CJP 230, Criminal Justice Internship

*Recommended Humanities Elective: Human Conduct and Values.

Joint Admissions Options

UMass Boston into College of Public & Community Service, College of Arts and Sciences
 UMass Dartmouth into College of Arts and Sciences
 UMass Lowell into College of Arts and Sciences
 Salem State into Criminal Justice

Transfer Articulation Options

Springfield College (Human Services)
Northeastern University (Criminal Justice)
Salem State College (Criminal Justice)

This program is designed for students who are interested in working with young children in developmentally appropriate programs. In addition to Early Childhood Education courses including two 150 hours practicum, the student is given a strong foundation in liberal arts. Upon completion of the programs, the student is qualified to work in a licensed childcare setting or transfer to a four-year college for further study. Graduates can become teachers of young children in day care centers, nursery schools, and Head Start programs. The program meets the requirements of the Department of Early Education and Care for teacher certification. For more information, contact the Early Childhood Education Department, Room 353, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ECE 101	Child Growth and Development	ENGLISH COMPOSITION I (ENG 101)	3
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
BUS 107	Business Mathematics or		
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
ECE 102	Observing and Recording Childhood Behavior	CHILD GROWTH AND DEVELOPMENT (ECE 101)	3
ECE 202	History, Theory, and Practice of Early Childhood Education	CHILD GROWTH AND DEVELOPMENT (ECE 101)	3
ECE 106	Guidance and Discipline		3
HUM/LAN/ENG	Humanities Elective*		3

Third Semester

ECE 204	Child Health Care		3
ECE 206	Early Childhood Curriculum I	CHILD GROWTH AND DEVELOPMENT (ECE 101)	3
ECE 298	Child Care Internship I		3
ECE	Early Childhood Elective*		3
HUM/LAN/ENG	Humanities Elective**		3

Fourth Semester

ECE 203	Special Needs in Childhood Education	CHILD GROWTH AND DEVELOPMENT (ECE 101)	3
ECE 207	Early Childhood Curriculum II	CURRICULUM I (ECE 206); INTERNSHIP I (ECE 298)	3
ECE 299	Child Care Internship II	INTERNSHIP I (ECE 298)	3
ECE	Early Childhood Elective*		3
SSI	Social Science Elective		3

Total: 62

*Recommended Early Childhood Education electives: ECE 103, ECE 104, ECE 201

*Recommended Humanities Elective: HUM 507, ENG 232

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

Mass. College of Liberal Arts

Transfer Articulation Options

Springfield College (Human Services)

Whelock College (Human Development, Early Childhood Education)

MA College of Liberal Arts (Early Child Teacher Cert.)

Engineering Design: AutoCAD

Certificate

This certificate program provides the basic fundamentals in the rapidly expanding field of computer-aided design (CAD). It is intense yet, prepares students for rewarding careers in engineering design: architectural and mechanical, drafting and CAD operators. It is especially useful for individuals currently working or looking for entry-level positions within the manufacturing engineering field. Students enrolled in this certificate program get hands-on computer training using the latest AutoCAD software as well as some of the most up-to-date computer equipment in the industry.

For information about this program, call the Division of Math, Science and Technology, room 401, Academic Building or call 617-427-0060 ext. 5219, or 617-541-5317.

ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
TEC 121	Introduction to Engineering Design I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
TEC 122	Introduction to Engineering Design II	INTR ENGNR. DESIGN I/AUTOCAD (TEC 121)	4
TEC 130	Architectural and Civil Drafting	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
TEC 230	Advanced Architectural Design	Arch'al/Civ Drafting (TEC 130)	4
TEC 260	Engineering Design Project Management		4
MAT	100 level or higher	INTERMEDIATE ALGEBRA (MAT 099)	3
Total:			<u>26</u>

A concentration in English prepares students for transfer to a four-year college or university to pursue a variety of majors, including literature, linguistics, rhetoric, creative writing, journalism, and media/ communications. This background is also relevant for students who are considering graduate-level education in law or education. A bachelor's degree is essential to obtain entry-level positions in teaching, technical or specialized writing, and media reporting. Many opportunities exist for individuals with bachelor's degrees in English, such as careers in schools, colleges, newspapers, advertising agencies, publishing firms, libraries, radio and television stations, public relations firms, legal agencies, business, and research and development. For more information, contact the English Department, Room 301, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
LAN	Foreign Language I		3
ENG 110	Introduction to Speech	ENGLISH COMPOSITION I (ENG 101)	3
HUM	Humanities Elective		3
SSI 101	World History I	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	
SSI 102	World History II	ENGLISH COMPOSITION I (ENG 101)	3
ENG	Literature Sequence*		3
LAN	Foreign Language II		3

Third Semester

ENG	English Elective**		3
ENG	English Elective**		3
SCI	Laboratory Science Elective		4
ENG	Literature Sequence*		3
SSI	Social Science Elective		3

Fourth Semester

ENG	English Elective**		3
ENG	English Elective**		3
SCI	Laboratory Science Elective		4
HUM	Humanities Elective		3
SSI	Social Science Elective		3

Total: 63

*The literature sequence includes: World Literature I & II; Literature in America I & II.

**English electives include: World Literature (I & II); African American Literature; Literature in America (I & II); Journalism (I & II); Creative Writing Seminar, English Honors Seminar; Literature of Africa/Caribbean, Literature, Modern Novel, Journalism practicum, Learning Strategies, Advanced Composition, Children's Critical Writing & Thinking

Two semesters of one foreign language are required.

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst into Humanities & Fine Arts

UMass Boston into College of Arts and Sciences

UMass Dartmouth into College of Arts and Sciences

UMass Lowell into College of Arts and Sciences

Bridgewater State into All Majors

(except Aviation Science, Education, Social Work, Athletic Training)

Fitchburg State into English

Framingham State into English

Mass. College of Liberal Arts into English
Salem State into English Communication
Westfield State into English
Worcester State into English

Transfer Articulation Options

MA College of Liberal Arts (Communication, Broadcast, Film, Public Relations, Journalism)

The Health Careers concentration integrates a strong core of science courses with a broad-based liberal arts curriculum to prepare academically qualified students at RCC for transfer to a Bachelor of Science degree program in Nursing. Because the transfer requirements for the BS program vary from one school to another, it is recommended that students identify a transfer institution early in their pre-nursing program and work closely with their academic advisor and transfer counselor to select appropriate general and Humanities Electives. To qualify for this concentration, students must maintain an overall grade point average of at least 2.75.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 120	Introductory Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SCI 103	Biology I	GENERAL SCIENCE (SCI 099); INTRODUCTORY ALGEBRA (MAT 098); ENGLISH COMP I (ENG 101)	4
SSI 122	General Psychology (Group I)	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SCI 104	Biology II	BIOLOGY I (SCI 103)	4
SCI 121	General Chemistry I	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	4
SSI 123	Introduction to Sociology	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	Humanities Elective		3

Third Semester

SSI 209	Human Growth and Development	Dev Read & Writing II (ENG 091)	3
SCI 201	Anatomy & Physiology I	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4
SCI 122	General Chemistry II	GENERAL CHEM I (SCI 121)	4
SSI	Social Science Elective (Group II)		3
ENG/LAN	Literature Elective		3

Fourth Semester

SCI 202	Anatomy and Physiology II	ANAT & PHYS I (SCI 201)	4
SCI 204	Microbiology	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4
HUM	Humanities Elective		3
SSI	Social Science Elective (Group III)		3
Total:			62

*Recommended general elective: SCI 106, Nutrition, SSI 206,
 Pre-Nursing degree articulates with B.S. in Nursing at UMASS Boston.
 SSI Group I: Anthropology, psychology, sociology
 SSI Group II: Economics, political science, community organizing
 SSI Group III: History

The Hospitality Management Degree is designed to prepare students to pursue careers in the hospitality industry with particular emphasis in the areas of lodging and food service management.

Upon completion of the program, students will be able to find employment in an entry-level management position in a hotel or restaurant

For more information about this program, contact the Business Technology Division, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 501	Introduction to Hospitality	English Comp I (ENG 101)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	Humanities Elective		3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3

Second Semester

ENG 102	English composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT	100 level or higher	Intermediate Algebra (MAT 099)	3
SSI 221	Economics I: Micro	ENGLISH COMPOSITION I (ENG 101)	3
BUS 530	Front Office Procedures	INTRO HOSPITALTY IND (BUS 501)	3
BUS 231	Management I	ENGLISH COMPOSITION I (ENG 101)	3

Third Semester

BUS 520	Fundamental Customer Service	Intro Hospitality Ind (BUS 501)	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3
ENG 110	Introduction to Speech	ENGLISH COMPOSITION I (ENG 101)	3
BUS 544	Food & Beverage Management	INTRO HOSPITALTY IND (BUS 501)	3

Fourth Semester

SCI 106	Nutrition	Placement; GENERAL SCIENCE (SCI 099)	4
BUS 441	Introduction to Marketing	MANAGEMENT I (BUS 231)	3
BUS 540	Food & Beverage Service	INTRO HOSPITALTY IND (BUS 501)	3
BUS or CIS	Elective		3
BUS 298	Business Internship	MANAGEMENT I (BUS 231); BUSINESS LAW I (BUS 321); ENGLISH COMPOSITION I (ENG 101)	3
Total:			62

Joint Admissions Options

UMass Amherst

Transfer Articulation Options

Mt. Ida College (Hotel & Tourism Management)

The Hospitality Operation Certificate is designed to prepare students to pursue careers in the hospitality industry with particular emphasis in the areas of lodging and food service management.

Upon completion of the program, students will be able to find employment in an entry level management position in a hotel or restaurant

For more information about this program, contact the Business Technology Division, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 501	Introduction to Hospitality	English Comp I (ENG 101)	3
BUS 530	Front Office Procedures	INTRO HOSPITALTY IND (BUS 501)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
ENG 110	Introduction to Speech	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

BUS 520	Fundamental Customer Service	Intro Hospitality Ind (BUS 501)	3
BUS 540	Food & Beverage Service	INTRO HOSPITALTY IND (BUS 501)	3
BUS 550	Hospitality Supervision	INTRO HOSPITALTY IND (BUS 501)	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
BUS 551	Hospitality Industry Computer Systems	INTRO HOSPITALTY IND (BUS 501)	3
Total:			30

The Business Administration/ International Business concentration is designed to meet the growing interest in a rapidly changing business environment. There is currently an increase in global competition, which means that many companies in the United States have a greater need to enter markets beyond our borders in order to remain competitive. Companies must use global strategies and tactics in order to capture their market share. For more information about this program contact the Business Technology Division in the Academic Building, Room 455.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	
MAT 120	Introductory Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 321	Business Law I	English Comp I (ENG 101) Concurrent	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 102	Principles of Accounting II	PRINC OF ACCT I (BUS 101)	3
BUS 231	Management I	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
ENG	Literature Elective		3

Third Semester

SSI 101	World History I	ENGLISH COMPOSITION I (ENG 101)	3
BUS 206	Introduction to Finance	PRINC OF ACCT II (BUS 102)	3
BUS 662	Introduction to International Business	ENGLISH COMPOSITION I (ENG 101)	3
HUM/ENG/LAN	Humanities Elective*		3
BUS 441	Introduction to Marketing	MANAGEMENT I (BUS 231)	3

Fourth Semester

SSI 222	Economics II: Macro	ENGLISH COMPOSITION I (ENG 101)	3
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
HUM/ENG/LAN	Humanities Elective*		3
SCI	Laboratory Science Elective		4
BUS 161	Introduction to Global Marketing		3

Total: 63

*Students are strongly urged to take one year of a foreign language.

The Liberal Arts major is recommended for students who are undecided about which concentration to choose. This program offers students an organized approach to a liberal arts education with exposure to a wide variety of subject areas. Students may elect to concentrate their studies in humanities, mathematics, physical education, social sciences, or natural sciences. Many employers in professions such as education, law, medicine, economics, and journalism prefer that individuals have the broad educational background provided by a liberal arts program. In order to facilitate transfer to a baccalaureate program in Massachusetts public institutions, Roxbury Community College's General Education program in Liberal Arts has been designed to fulfill the requirements of the Commonwealth Transfer Compact. NOTE: Students who intend to transfer to a four-year college or university should consider the requirements of that institution before selecting their courses. For more information, contact the Dean of Liberal Arts in the Academic Building, Room 301.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI	Social Science Elective (Group I)		3
HUM	Humanities Elective		3
SCI	Laboratory Science Elective		4

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective		3
SCI	Laboratory Science Elective		4

Third Semester

SSI 101 or SSI 102	World History (Group III)	ENGLISH COMPOSITION I (ENG 101)	3
ENG	Literature Elective		3
LAN	Foreign Language I		3
	Electives		6

Fourth Semester

LAN	Foreign Language II **		3
	Electives		12
Total:			60

**The second Language course must follow the first Language course

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst into Humanities & Fine Arts, Natural Science & Math, Social & Behavioral Science

UMass Boston into College of Arts and Sciences

UMass Dartmouth into College of Arts and Sciences

Bridgewater State into All Majors

(except Aviation Science, Education, Social Work, Athletic Training)

Fitchburg State into All Liberal Arts & Science Majors

Framingham State into BA

(Economics, English, French, Geography, History, Politics, Psychology, Sociology, Spanish) or BS (Biology, Business Admin., Chemistry, Clothing & Textiles, Computer Science, Consumer & Family Studies, Food & Nutrition, Food Science, Mathematics).

Mass. College of Liberal Arts into Liberal Arts (or Business & Computer Science)

Salem State into Arts and Sciences

Westfield State into All Majors

(except Criminal Justice, Psychology, Sociology, Movement Science, Education)

Worcester State into All but Nursing/Occupational Therapy

Transfer Articulation Options

Wheelock College (Human Development, Child Life Concentration)
Argosy University/Atlanta (Psychology)

The Mathematics concentration provides students with the equivalent of the first two years of a mathematics program of study in a four-year college or university. In addition, courses in the Mathematics Department offer a strong foundation in mathematics that is advantageous to students interested in many other fields of study and particularly helpful for those individuals with little or no previous exposure to or success in mathematics. Students who complete the mathematics concentration generally transfer to a college or university program in mathematics or education, or to a related area such as computer science, engineering, or physical science. For more information, contact the Mathematics Department, Room 501, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 103	Pre-Calculus	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SSI 122	General Psychology (Group I)	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
General Elective			3
HUM 501	Logic for Everyday Use	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 201	Calculus I (with applications)	PRE-CALCULUS (MAT 103); Placement	4
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective		3

Third Semester

MAT 120	Introductory Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 203	Calculus II (with applications)	CALCULUS I (w/appl) (MAT 201)	4
SCI	Laboratory Science Elective*		4
ENG	Literature Elective		3
SSI	Social Science Elective (Group III)		3

Fourth Semester

MAT 205	Calculus III	CALCULUS II (w/appl) (MAT 203)	4
SCI	Laboratory Science Elective*		4
HUM	Humanities Elective		3
General Elective			3
Total:			60

*Recommended lab science electives: SCI 141, Physics I, SCI 142, Physics II, SCI 143, Principles of Physics I; SCI 144, Principles of Physics II
 SSI Group I: Anthropology, psychology, sociology
 SSI Group II: Economics, political science, community organizing
 SSI Group III: History

Joint Admissions Options

UMass Amherst into Natural Science & Math
 UMass Boston into College of Arts and Sciences
 UMass Dartmouth into College of Arts and Sciences
 UMass Lowell into College of Arts and Sciences
 Bridgewater State into All Majors (except Aviation Science, Education, Social Work, Athletic Training)
 Fitchburg State into Math
 Framingham State into Mathematics
 Mass. College of Liberal Arts into Math
 Salem State into Arts and Sciences
 Westfield State into Mathematics
 Worcester State into Mathematics

Medical Office Specialist

Certificate

Local healthcare organizations, including hospitals, medical offices, clinics, hospice care and local health centers, have a need for people with the clerical skills and training this certificate program offers. Certificate earners will be prepared for positions such as medical office clerks or receptionists.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI 109	Human Biology and Medical Terminology	Placement; GENERAL SCIENCE (SCI 099)	4
OFT 101	Keyboarding I		3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3

Second Semester

OFT 242	Medical Coding	KEYBOARDING III (OFT 201)	3
OFT 240	Medical Records Management		3
OFT 241	Office Procedures	ENGLISH COMPOSITION I (ENG 101); KEYBOARDING II (OFT 102)	3
OFT 298	Internship		3
Total:			<u>25</u>

Mental Health Worker

Certificate

This one semester program will prepare the successful student for positions in mental health care agencies. A supervised internship will be provided in a mental health care agency in the Boston area.

The program is limited to 10-20 students. Preference is given to students who wish to enroll for all four courses at the same time.

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
HLT 130	Fundamentals of Mental Health	DEV READ & WRITE 2 (ENG 091); Placement	3
HLT 131	Skills for the Mental Health Worker	DEV READ & WRITE 2 (ENG 091); Placement	3
HLT 135	Theory and Practice in Mental Health	DEV READ & WRITE 2 (ENG 091); Placement	3
HLT 298	Internship in Mental Health	DEV READ & WRITE 2 (ENG 091); Placement	3
Total:			12

CORI clearance is required. Enrollment in HLT 298 does not guarantee clinical placement.

The Microcomputer Applications option is designed for students interested in using the personal computer as a tool in a wide range of business applications and problems. Through an in-depth course of study, students will learn to operate and apply the industry standard PC applications, including operating systems, spreadsheet analysis, graphics presentations, database management, and networking. Graduates of this program will be prepared for entry-level employment in the rapidly emerging field of microcomputer applications. For more information, contact the Computer Information Systems Department, Room455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	
MAT 120	Introductory Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	HUM Elective	ENGLISH COMPOSITION I (ENG 101)	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective		3
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3

Third Semester

CIS	CIS Elective*		3
SSI	Social Science Elective		3
CIS 241	Advanced Microcomputer Applications	MICRO COMPUTER APPL (CIS 141)	3
CIS	CIS Elective*	MICRO OPERATING SYS (CIS 111)	3
CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3

Fourth Semester

HUM	Humanities Elective		3
SCI 141	Physics I	COLLEGE MATHEMATICS (MAT 101)	4
CIS 298	CIS Internship		3
CIS 221	Systems Analysis and Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 205	Advanced Database Management	MICRO COMPUTER APPL (CIS 141); ENGLISH COMPOSITION I (ENG 101)	3

Total: 62

* PC Configuration and Management I (CIS 118); Visual Basic (CIS 122); Web Development and Design I (CIS 155); Web Development and Design II (CIS 157); Network Administration (CIS 185)

Transfer Articulation Options

MA College of Liberal Arts (Computer Science)

The Microcomputer Applications certificate is designed to provide students with the skills necessary for employment in the fast-emerging area of business applications and microcomputer technology. Students receive training in the latest and most widely used software applications through extensive hands-on use of the microcomputer laboratory and are prepared to be office managers or applications specialists.

For more information contact the Computer Information Systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3
CIS	CIS Elective	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
CIS 241	Advanced Microcomputer Applications	MICRO COMPUTER APPL (CIS 141)	3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3

Third Semester

CIS 221	Systems Analysis & Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 205	Advanced Database Management	MICRO COMPUTER APPL (CIS 141); ENGLISH COMPOSITION I (ENG 101)	3
CIS	CIS Elective*	MICRO OPERATING SYS (CIS 111)	3
Total:			30

* PC Configuration and Management I (CIS 118); Visual Basic (CIS 122); Web Development and Design I (CIS 155); Web Development and Design II (CIS 157)

The Arts and Humanities/ Musical Arts concentration prepares students for transfer to a four-year college or university to pursue a variety of majors in music education (performance, arranging, composing, history, criticism, and management). The background provided by study in these areas is also helpful for students considering undergraduate and/or graduate level training. A bachelor's degree is essential to obtain entry-level positions in teaching, arranging, and composing. However, an associate's degree is the minimum requirement for individuals pursuing a career in performing, criticism, and management. Patience, understanding, and the ability to effectively communicate orally and in writing are also necessary. A multitude of career opportunities exists for those with a bachelor's degree in the Humanities, including teaching, marketing, publishing, arts management, and research and development. For more information about this program, contact the Humanities Department in the Media Arts Building, Room 322.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI	Social Science Elective (Group I)		3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
HUM	Humanities Elective (Group I)		3
HUM 401	Elements of the Performing Arts	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective (Group II)		3
ENG	Literature Elective		3
HUM	Humanities Elective		3

Third Semester

LAN	Foreign Language I		3
HUM 303	Music Theory I	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM 301	Choral Music		3
SCI	Laboratory Science Elective		4
SSI	Social Science Elective (Group III)		3

Fourth Semester

LAN	Foreign Language II*		3
HUM 304	Music Theory II	MUSIC THEORY I (HUM 303)	3
HUM 302	Choral Music II	CHORAL MUSIC I (HUM 301)	3
SCI	Laboratory Science Elective		4
HUM 311	Senior Music		3

Total: 63

Humanities Concentration requires 6 courses beyond the AA Humanities/Literature core requirements.

Humanities Group I: History & Appreciation

Humanities Group II: Performance

Humanities Group III: Theory & Philosophy

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst into Humanities & Fine Arts

UMass Boston into College of Arts and Sciences

UMass Dartmouth

Bridgewater State into All Majors

(except Aviation Science, Education, Social Work, Athletic Training); Visual Arts into Art (at least half of all courses in major must be completed at Bridgewater)

Fitchburg State into English: Theater Track or Humanities

Mass. College of Liberal Arts into Fine and Performing Arts

Salem State into Arts and Sciences
Westfield State into All Majors
(except Criminal Justice, Psychology, Sociology, Movement Science, Education)
Worcester State into All Liberal Arts and Science majors

Transfer Articulation Options

MA College of Liberal Arts (Fine & Performing Arts--Music)

Computer network administration is one of the fastest growing, most exciting career opportunities available today. There has been a recent trend in data processing toward the use of desktop computers connected in networks, a type of networking that has, in many instances, replaced centralized processing on mini and mainframe computers. This trend has been aided by the development of microcomputer hardware and applications software to make possible communication and sharing of resources among users. It has also created a demand for trained network administrators to supervise and control the networking process.

For more information, contact the Computer Information Systems Department, Room 455, Academic building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
HUM	Humanities Elective	ENGLISH COMPOSITION I (ENG 101)	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
CIS	CIS Elective		3
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3
CIS 118	PC Configuration & Management I	MICRO OPERATING SYS (CIS 111)	3

Third Semester

SSI	Social Science Elective		3
ENG/HUM/LAN	Humanities Elective		3
CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3
CIS 185	Network Administration	INTRO.COMP.NETWORKS (CIS 181); ENGLISH COMPOSITION I (ENG 101)	3
CIS 265	Network Design	INTRO.COMP.NETWORKS (CIS 181)	3

Fourth Semester

SCI 141	Physics I	COLLEGE MATHEMATICS (MAT 101)	4
SSI	Social Science Elective		3
CIS 251	Advanced Network Administration	NETWORK ADMINISTRATN (CIS 185)	3
CIS 221	System Analysis and Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 298	CIS Internship		3
Total:			62

The associate of science degree in nursing is designed for students who seek careers as registered nurses. The program is designed to prepare graduates for the National Council Licensing Exam in Registered Nursing (NCLEX-RN). The program articulates with many baccalaureate nursing programs for graduates desiring further nursing education.

There are pre-requisite courses that must be completed before a student can be accepted to the associate degree nursing program. Satisfactory completion of pre-requisite courses does not guarantee admission to the program.

Prep***

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
MAT 099 eligible	Intermediate Algebra	INTRODUCTORY ALGEBRA (MAT 088); Placement	
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI 122	General Psychology **	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
SCI 201	Anatomy & Physiology I *	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4

First Semester

ADN 150	Foundations of Nursing	ENGLISH COMPOSITION I (ENG 101); ANAT & PHYS I (SCI 201); GENERAL PSYCHOLOGY (SSI 122)	9
SCI 202	Anatomy and Physiology II	ANAT & PHYS I (SCI 201)	4
ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI 209	Human Growth and Development	Dev Read & Writing II (ENG 091)	3

Second Semester

ADN 151	Nursing in Health and Illness I	FOUNDATIONS OF NURS. (ADN 150); ENGLISH COMPOSITION II (ENG 102); ANAT & PHYS II (SCI 202); HUMAN GROWTH & DEV (SSI 209)	11
SCI 204	Microbiology	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4

Third Semester

ADN 252	Nursing in Health and Illness II	NURSING IN HEALTH & ILLNESS I (ADN 151); MICROBIOLOGY (SCI 204)	10
	Elective (i.e.,HUM,SCI, MAT-100 level or above)		3

Fourth Semester

ADN 253	Nursing Across the Life Span	NSG IN HLTH & ILLNESS II (ADN 252)	10
ADN 254	Issues in Professional Nursing	NSG IN HLTH & ILLNESS II (ADN 252)	3

Total: 70

Potential nursing students are urged to complete as many general education requirements as possible before beginning the nursing clinical sequence, including Anatomy and Physiology II, English Composition II, Human Growth and Development. Call the Assessment and Placement Office at 617 427-0060, extension 5138, for information about CLEP exams, college placement tests, and nursing admissions exam.

* See RCC's course catalogue for a full description of courses and a list of prerequisites. Biology I is the prerequisite to A&P I. Microbiology also has pre-requisite courses. Students may opt to take the Challenge exam administered by the Science Department to be exempt from prerequisite requirements.

**Enrollment in or successful completion of English Composition is pre-requisite to General Psychology at Roxbury Community College. Nursing courses are sequential. The successful completion of each course is a pre-requisite for the next level course.

***The program requires a specific admission exam (TEAS exam) as part of the nursing admissions criteria. Pre-requisite course work should be completed or in the process of completion prior to taking this exam. This exam can be taken only once in a given year period.

Joint Admissions Options

Framingham State into Nursing (RN to BSN)

Transfer Articulation Options

Northeastern University (Nursing)
Simmons College (Nursing)
Simmons College (*Master of Science in Nursing)
Framingham State (Nursing)
UMASS Boston (BSN Online)
UMASS Dartmouth (Nursing)
Emmanuel College (Nursing)
UMASS Boston (Nursing)

The Office Administration Program is designed to equip students with office and business skills in order to work in an administrative capacity in an office setting. This program will prepare students to enter management-level positions with comprehensive training in keyboarding and formatting, computer applications, accounting, communication and administrative and management skills. For more information about this program, contact the Office Technology Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 107	Business Mathematics		3
OFT 101	Keyboarding I		3
CIS 115	Internet Applications	ENGLISH COMPOSITION I (ENG 101)	3
HUM	Humanities Elective		3
ACS 100	College Survival Seminar		1

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
BUS 101	Principles of Accounting I	English Comp I (ENG 101) Concurrent	3
OFT 102	Keyboarding II	KEYBOARDING I (OFT 101)	3
SCI 109	Human Biology and Medical Terminology	Placement; GENERAL SCIENCE (SCI 099)	4
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3

Third Semester

OFT/BUS	OFT/BUS Elective	KEYBOARDING III (OFT 201)	3
OFT 241	Office Procedures	ENGLISH COMPOSITION I (ENG 101); KEYBOARDING II (OFT 102)	3
CIS 241	Advanced Microcomputer Applications	MICRO COMPUTER APPL (CIS 141)	3
CIS 155	Web Development & Design I	INTERNET APPLICATIONS (CIS 115)	3
SSI	Social Science Elective		3

Fourth Semester

CIS 205	Advanced Database Management	MICRO COMPUTER APPL (CIS 141); ENGLISH COMPOSITION I (ENG 101)	3
BUS, CIS, OFT	Elective		3
HUM	Humanities Elective		3
SSI	Social Science Elective		3
BUS 298	Business Internship	MANAGEMENT I (BUS 231); BUSINESS LAW I (BUS 321); ENGLISH COMPOSITION I (ENG 101)	3
Total:			62

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
BUS 107	Business Mathematics		3
OFT 241	Office Procedures	ENGLISH COMPOSITION I (ENG 101); KEYBOARDING II (OFT 102)	3
OFT 101	Keyboarding I		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
OFT 201	Keyboarding II	ENGLISH COMPOSITION I (ENG 101); KEYBOARDING II (OFT 102)	3
CIS 241	Advanced Microcomputer Applications	MICRO COMPUTER APPL (CIS 141)	3
OFT 242	Medical Coding	KEYBOARDING III (OFT 201)	3
OFT 298	Internship		3
Total:			<u>30</u>

Students interested in the field of law can begin with this certificate which provides an overview of the legal system and introduces techniques for legal research. Certificate earners will be prepared for office positions in law firms or legal departments.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI 119	Intro to U.S. Government and Politics	ENGLISH COMPOSITION I (ENG 101)	3
CJL 115	Criminal Law	English Comp I (ENG 101)	3
	Elective		3
	Elective		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
PLS 220	Introduction to Law	English Comp I (ENG 101)	3
PLS 227	Law of Real Property		3
PLS 231	Legal Research and Writing		3
Total:			<u>27</u>

*Electives include:

ENG 300 Critical Thinking & Writing

SSI 122 General Psychology

SSI 123 Introduction to Sociology

The computer has become an essential tool in many types of businesses as a means of managing the collection, retrieval, and dissemination of information. As new computer hardware emerges, it becomes important to maintain and support compatibility issues. The PC Support Specialist option prepares students to acquire skills needed to support both front and back-end hardware and users in position such as PC Technical or PC Support Specialist. Upon completion of the program, students will be prepared to take the A+ certification exams.

For more information contact the Computer Information Systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3
	CIS Elective	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3
CIS 118	PC Configuration & Management I	MICRO OPERATING SYS (CIS 111)	3
CIS	Elective		3

Third Semester

CIS 298	CIS Internship		3
CIS 185	Network Administration	INTRO.COMP.NETWORKS (CIS 181); ENGLISH COMPOSITION I (ENG 101)	3
CIS 119	PC Configuration & Management II	MANAGING/MAINTAINING PC'S (CIS 118)	3
Total:			<u>30</u>

Physical Education - Coaching

Certificate

This coaching certificate is designed to prepare students to pursue careers in the sports industry. Upon completion of the program, the student will be able to find employment coaching at the entry level with teams in schools, colleges, and community sports programs. For more information about this program, contact the Dean in the Department of Physical Education in the Division of Nursing, Allied Health, Sports Medicine, and Physical Education at 617-541-5313 or visit the website at rcc.mass.edu. The student may take up to 12 of the 15 credits in one semester. The field experience will be offered after successful completion of PED 173, Fundamentals of Coaching.

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
PED 173	Fundamentals of Coaching		3
PED 128	First Aid and CPR		1
PED 125	Physical Conditioning		3
SSI 122	General Psychology OR	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
SSI 123	Introduction to Sociology	DEV READ & WRITE 2 (ENG 091); Placement	
PED 277	Professional Fitness Seminar/Field Experience		3
PED 113	Coaching Volleyball*		1
PED 114	Coaching Basketball*		1
PED 115	Coaching Soccer*		
PED 116	Coaching Baseball*		
PED 117	Coaching Tennis*		
Total:			<u>15</u>

* Choose any two of the coaching courses.

Physical Education – Group Exercise Leader

Certificate

The Group Leader Certificate is designed to prepare students to pursue careers in the sports/fitness industry. Upon completion of the program, students will be able to find employment leading group exercise classes in gyms, health clubs, and community centers. For more information about this program, contact the Dean in the Department of Physical Education in the Division of Nursing, Allied Health, Sports Medicine, and Physical Education at 617-541-5313 or visit the website at rcc.mass.edu.

This is a ten-credit certificate program. Students may take up to seven credits in one semester. The field experience will be offered after successful completion of PED 170, Group Exercise Leader. Upon completion of the program, the graduate will be eligible for a national certifying exam.

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
PED 170	Group Exercise Leader		3
PED 128	First Aid CPR		1
PED 125	Physical Conditioning		3
PED 277	Professional Fitness Seminar/Field Experience		3
Total:			<u>10</u>

Physical Education – Personal Trainer

Certificate

The Personal Trainer Certificate is designed to prepare students to pursue careers in the sports industry. Upon completion of the program, students will be able to find employment as a personal trainer in gyms, health clubs, and community centers. For more information about this program, contact the Dean in the Department of Physical Education in the Division of Nursing, Allied Health, Sports Medicine, and Physical Education at 617-541-5313 or visit the website at rcc.mass.edu.

This is a ten-credit certificate program. Students may take up to seven credits in one semester. The field experience will be offered after successful completion of PED 171, Personal Trainer. Upon completion of the program, the graduate will be eligible for a national certifying exam.

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
PED 171	Personal Trainer		3
PED 128	First Aid CPR		1
PED 125	Physical Conditioning		3
PED 277	Professional Fitness Seminar/Field Experience		3
Total:			<u>10</u>

The Strength and Conditioning Specialist Certificate is designed to prepare students to pursue careers in the sports/fitness industry. Upon completion of the program, students will be able to find employment with sports teams or in the fitness industry as a trainer, fitness educator, or manager. For more information about this program, contact the Dean in the Department of Physical Education in the Division of Nursing, Allied Health, Sports Medicine, and Physical Education at 617-541-5313 or visit the website at rcc.mass.edu.

This is a 17-credit certificate program. The field experience will be offered after successful completion of PED 170, 171, or 173. Upon completion of the program, the graduate will be eligible for a national certifying exam.

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
PED 276	Principles and Practice of Strength Training		3
PED 125	Physical Conditioning		3
SCI 106	Nutrition with Lab	Placement; GENERAL SCIENCE (SCI 099)	4
PED 170	Group Exercise Leader or		3
PED 171	Personal Trainer or		
PED 173	Fundamentals of Coaching		
PED 128	First Aid CPR		1
PED 277	Professional Fitness Seminar/Field Experience		3
Total:			17

Students choosing the Physical Science concentration receive a strong foundation in chemistry, physics, and mathematics qualifying them to enter the junior year of a science/math program of study at a four-year college or university. Students who complete the Physical Science concentration usually transfer to a college or university program in physics, chemistry, mathematics, or a related major such as computer science or engineering. For more information contact the Science Department, Room 401, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI 123	Principles of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
MAT 103	Pre-Calculus	INTERMEDIATE ALGEBRA (MAT 099); Placement	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 201	Calculus I (with applications)	PRE-CALCULUS (MAT 103); Placement	4
SCI 124	Principles of Chemistry II	PRINC OF CHEM I (SCI 123)	4
SSI	Social Science Elective (Group I)		3
HUM	Humanities Elective		3

Third Semester

SCI 143	Principles of Physics I	CALCULUS I (w/applc) (MAT 201) concurrent; DEV READ & WRITE 2 (ENG 091)	4
MAT 203	Calculus II (with applications)	CALCULUS I (w/applc) (MAT 201)	4
HUM	Humanities Elective		3
General Elective			3
SSI	Social Science Elective (Group II)		3

Fourth Semester

SCI 144	Principles of Physics II	CALCULUS II (w/appl) (MAT 203) concurrent; PRINC OF PHYSICS I (SCI 143)	4
ENG	Literature Elective		3
SSI	Social Science Elective (Group III)		3
General Elective			3
General Elective			3
Total:			64

Recommended general elective: MAT 120.

Many 4 year colleges require 2 semesters of language other than English.

Recommended general elective, MAT 120, Statistics

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst into Natural Science & Math, Food & Natural Resources

UMass Boston into College of Arts and Sciences

Bridgewater State into All Majors

(except Aviation Science, Education, Social Work, Athletic Training)

Framingham State into Biology, Chemistry, Math

Mass. College of Liberal Arts into Science

Salem State into Arts and Sciences

Westfield State into General Science

Worcester State into Natural Science

The practical nursing certificate program is designed for students who seek careers as licensed practical nurses. The program is designed to prepare graduates for the National Council Licensing Exam in Practical Nursing (NCLEX-PN).

There are pre-requisite courses that must be completed before a student can be accepted to the practical nursing program. Satisfactory completion of pre-requisite courses does not guarantee admission to the program.

Prep**

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
SSI 209	Human Growth and Development	Dev Read & Writing II (ENG 091)	3

Fall Semester

SCI 101	Introduction to The Human Body I*	Placement; GENERAL SCIENCE (SCI 099)	3
PNC 101	Introduction to Practical Nursing	ENGLISH COMPOSITION I (ENG 101); GENERAL PSYCHOLOGY (SSI 122); HUMAN GROWTH & DEV (SSI 209)	12

Spring Semester

SCI 102	Introduction to the Human Body II	INTRO TO HUMAN BODY I (SCI 101)	3
PNC 102	Practical Nursing II	PRACTICAL NURSING I (PNC 101)	12

Summer Semester

PNC 103	Practical Nursing III	PRACTICAL NURSING II (PNC 102)	9
Total:			<u>45</u>

Due to limited space in these career education programs, nursing has competitive admission. The practical nursing certificate program currently admits 16-24 students to a full-time day program each September.

Admission Criteria:

High School Diploma or GED and submission of an application to the college
 Intermediate Algebra (MAT 099) eligible
 Biology 1 (SCI 103) eligible
 English Composition 1 (ENG 101) -- pre-requisite for General Psychology

* Anatomy and Physiology I and II can substitute for Human Body I and II.

** The program requires a specific admission exam (TEAS exam) as part of the nursing admissions criteria. Pre-requisite course work should be completed prior to taking this exam. This exam can be taken only once in a given year period.

This program is designed to give students who are talented in the physical sciences a strong background in mathematics, chemistry, and physics. Students graduating with a Pre-Engineering concentration can gain employment as technicians at high-technology firms or can transfer to a four-year college or university to complete a baccalaureate degree. This program is excellent for students who want to be engineers. Our focus is on mathematical problem solving, which prepares you for a competitive career in industry. For more information, contact the Science Department or Mathematics Department, Room 401 or Room 501, respectively, in the Academic Building or call 617-541-5317.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 103	Pre-Calculus	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SCI 123	Principles Of Chemistry I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
TEC 121	Introduction to Engineering Design I	ENGLISH COMPOSITION I (ENG 101); INTRODUCTORY ALGEBRA (MAT 088)	4
ACS 100	College Survival Seminar		1

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 201	Calculus I (With Applications)	PRE-CALCULUS (MAT 103); Placement	4
SCI 124	Principles of Chemistry II	PRINC OF CHEM I (SCI 123)	4
SSI	Social Science Elective		3
HUM	Humanities Elective		3

Third Semester

MAT 203	Calculus II	CALCULUS I (w/applc) (MAT 201)	4
SCI 143	Principles of Physics I	CALCULUS I (w/applc) (MAT 201) concurrent; DEV READ & WRITE 2 (ENG 091)	4
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI	Social Science Elective		3
HUM	Humanities Elective		3

Fourth Semester

MAT 205	Calculus III	CALCULUS II (w/appl) (MAT 203)	4
SCI 144	Principles of Physics II	CALCULUS II (w/appl) (MAT 203) concurrent; PRINC OF PHYSICS I (SCI 143)	4
ENG	Literature Elective		3
SSI	Social Science Elective		3
	Engineering Elective		3
Total:			66

*Engineering electives: TEC, any technology elective; CIS, computer programming elective;
SCI 130, Introduction to Materials Science
SSI Group I: Anthropology, psychology, sociology
SSI Group II: Economics, political science, community organizing
SSI Group III: History

Joint Admissions Options

UMass Amherst into Engineering, Natural Science & Math
UMass Dartmouth into Engineering
UMass Lowell into College of Engineering
Worcester State into Computer Science

Transfer Articulation Options

UMASS Lowell (Engineering)

The Radiologic Technologist works within the healthcare environment to provide diagnostic images for treatment and diagnosis. The imaging professional is responsible for accurately positioning patients and ensuring that a quality diagnostic image is produced. Each Radiologic Technologist is responsible for radiation safety, radiation protection and basic patient care. Clinical experience in Boston – area hospitals combined with coursework prepares graduates for positions in this high demand field.

Prep

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT	100 level or above	Intermediate Algebra (MAT 099)	3
SCI 201	Anatomy & Physiology I *	BIOLOGY I (SCI 103); GENERAL CHEM I (SCI 121) OR PRINC OF CHEM I (SCI 123)	4

First Semester

SCI 202	Anatomy and Physiology II	ANAT & PHYS I (SCI 201)	4
HLT 150	Introduction to Radiology Technology	ENGLISH COMPOSITION II (ENG 102); ANAT & PHYS II (SCI 202)	3
HLT 152	Basic Radiographic Procedures		3
HLT 154	Clinical Practicum I		4

Second Semester

HLT 170	Principles of Radiologic Quality	INTRO TO RADIOLOGY TECHNOLOGY (HLT 150); BASIC RADIOLOGIC PROCEDURES (HLT 152); CLINICAL PRACTICUM I (HLT 154)	3
HLT 171	Radiologic Instrumentation	INTRO TO RADIOLOGY TECHNOLOGY (HLT 150); BASIC RADIOLOGIC PROCEDURES (HLT 152); CLINICAL PRACTICUM I (HLT 154)	3
HLT 172	Intermediate Radiographic Procedures	INTRO TO RADIOLOGY TECHNOLOGY (HLT 150); BASIC RADIOLOGIC PROCEDURES (HLT 152); CLINICAL PRACTICUM I (HLT 154)	3
HLT 174	Clinical Practicum II	INTRO TO RADIOLOGY TECHNOLOGY (HLT 150); BASIC RADIOLOGIC PROCEDURES (HLT 152); CLINICAL PRACTICUM I (HLT 154)	3

Third Semester

HLT 175	Clinical Practicum III	CLINICAL PRACTICUM II (HLT 174)	5
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Fourth Semester

HLT 250	Fundamentals of Radiobiology	CLINICAL PRACTICUM III RAD TECH (HLT 175)	4
HLT 252	Advanced Radiographic Procedures	CLINICAL PRACTICUM II (HLT 174)	3
HLT 254	Clinical Practicum IV	CLINICAL PRACTICUM III RAD TECH (HLT 175)	4
ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3

Fifth Semester

HLT 270	Topics in Radiology Technology	FUNDAMENTALS OF RADIOBIOLOGY (HLT 250); ADVANCED RADIOGRAPHIC PROCEDURES (HLT 252); CLINICAL PRACTICUM IV (HLT 254)	3
HLT 274	Clinical Practicum V	CLINICAL PRACTICUM IV (HLT 254)	4
SSI 122	General Psychology	ENGLISH COMPOSITION I (ENG 101) or CONCURRENT	3
	Elective (Humanities is recommended)		3
Total:			68

Note: Prerequisite courses must be completed before applying to the program. See program admissions information. The student must be selected to the program before registering for Radiology/Allied Health (HLT) courses. It is recommended that students complete other general education courses before applying (Anat and Phys II, English II, Psychology, Humanities elective).

See RCC's course catalogue for a full description of courses. College Biology is prerequisite to A & P I at RCC; RCC students may opt

to take a challenge exam administered by the Science Department for exemption of prerequisite courses. Radiologic Technology (HLT) courses are sequential. The successful completion of all HLT courses offered in one semester is pre-requisite to registering for courses the following semester. The program requires a specific admission exam as part of the radiologic technology admissions criteria. Pre-requisite course work should be completed or in the process of completion prior to taking this exam. This exam can be taken only once in a given year period.

Social Science

Associate of Arts

A concentration in any of the social sciences provides excellent preparation for students who aspire to careers in law, mental health, or education, as well as for those seeking employment in social science organizations, government service, and community organizations. The curriculum has been designed with very few required courses and many electives in order to allow students maximum flexibility for exploration. Students continuing their education at a four-year college or university will be expected to major in a particular subject area. A bachelor's degree is essential for most entry-level positions. Students interested in pursuing a career in the social sciences or education should possess a genuine concern for others and a desire to help people improve the quality of their lives. The ability to communicate well both orally and in writing is an essential skill for anyone considering a career in these areas. For more information, contact the Social Science Department, Room 353, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI 101	World History I	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective (Group I)		3
HUM	Humanities Elective		3
ENG	Literature Elective		3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective		3
SCI	Laboratory Science Elective		4

Third Semester

SSI 102	World History II	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
SSI	Social Science Electives (Group III)		3
LAN	Foreign Language I		3

Fourth Semester

General Electives			6
SSI	Social Science Electives		6
LAN	Foreign Language II		3
Total:			60

SSI Group I: Anthropology, psychology, sociology
SSI Group II: Economics, political science, community organizing
SSI Group III: History

*MAT 120, Introductory Statistics, may be substituted for MAT 102, College Algebra. **Students should consult the catalog of four-year colleges to which they intend to transfer as a guide in choosing electives. Many four-year colleges require two semesters of a foreign language and some have specific history requirements.

Joint Admissions Options

UMass Amherst into Social & Behavioral Science
UMass Boston into College of Arts and Sciences
UMass Dartmouth into College of Arts and Sciences
UMass Lowell into College of Arts and Sciences
Bridgewater State into All Majors
(except Aviation Science, Education, Social Work, Athletic Training)
Fitchburg State into All Liberal Arts & Science Majors
Framingham State
into BA (Economics, English, French, Geography, History, Politics, Psychology, Sociology, Spanish) or BS (Biology, Business Admin., Chemistry, Clothing & Textiles, Computer Science, Consumer & Family Studies, Food & Nutrition, Food Science, Mathematics).
Mass. College of Liberal Arts into Sociology or Psychology
Salem State into Sociology or Psychology

Westfield State into All Majors (except Criminal Justice, Psychology, Sociology, Social Work, Movement Science, Mass Communication, Education)
Worcester State into Sociology, Psychology, Urban Studies

Transfer Articulation Options

Springfield College (Human Services)
Wheelock College (Social Work)
MA College of Liberal Arts (Psychology, Sociology, Social Work, Anthropology, Criminal Justice)

The Arts and Humanities/Theater Arts concentration prepares students for transfer to a four-year college or university to pursue a variety of majors in theater arts education (performance, technical theater, theater management, theater history, and criticism). The background provided by study in these areas is also helpful for students considering undergraduate and/or graduate-level education in theater arts education or administration. A bachelor's degree is essential to obtain entry-level positions in teaching. However, an associate's degree is the minimum requirement for individuals pursuing a career in performing, technical theater, and theater arts management. Patience, understanding, and the ability to effectively communicate orally and in writing are also necessary. A multitude of career opportunities exists for those with a bachelor's degree in Theater Arts, including teaching, performing, advertising, writing, publishing, theater business management, and research and development. For more information about this program, contact the Humanities Department in the Media Arts Building, Room 322.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); PRE-COLLEGE READING (ENG 098); PRE-COLLEGE WRITING (ENG 099); Placement	3
SSI	Social Science Elective (Group I)		3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	
HUM	Humanities Elective		3
HUM 401	Elements of the Performing Arts	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective		3
ENG	Literature Elective		3
HUM 402	Acting I	DEV READ & WRITE 2 (ENG 091); Placement	3

Third Semester

LAN	Foreign Language I		3
HUM	Humanities Elective		3
HUM 442	Backstage I	DEV READ & WRITE 2 (ENG 091); Placement	3
SCI	Laboratory Science Elective		4
SSI	Social Science Elective (Group III)		3

Fourth Semester

LAN	Foreign Language II*		3
HUM 443	Backstage II	BACKSTAGE I (HUM 442)	3
HUM 500	Humanities Internship	ENGLISH COMPOSITION I (ENG 101)	3
SCI	Laboratory Science Elective		4
HUM 230	Directed Study: Theater		3

Total: 63

*The second semester Language course must follow the first semester Language course.
 Humanities Concentration requires 6 courses beyond the AA Humanities/Literature core requirements.
 Humanities Group I: History & Appreciation
 Humanities Group II: Performance
 Humanities Group III: Theory & Philosophy
 SSI Group I: Anthropology, psychology, sociology
 SSI Group II: Economics, political science, community organizing
 SSI Group III: History

Joint Admissions Options

UMass Amherst into Humanities & Fine Arts
 (at least half of all courses in major must be completed at Bridgewater)
 Fitchburg State into English: Theater Track or Humanities
 Mass. College of Liberal Arts into Fine and Performing Arts

Salem State into Arts and Sciences
Westfield State into All Majors
(except Criminal Justice, Psychology, Sociology, Movement Science, Education)
Worcester State into All Liberal Arts and Science majors

Transfer Articulation Options

MA College of Liberal Arts (Fine & Performing Arts -- Theater)

The Arts and Humanities/Visual Arts concentration prepares students for transfer to a four-year college or university to pursue a variety of majors in the visual arts (painting, sculpture, graphic design, textile design, and visual technology, e.g., photography). The background provided by study in these areas is also helpful for students considering undergraduate and/or graduate-level education in arts education or administration. A bachelor's degree is essential to obtain entry-level positions in teaching. However, an associate's degree is the minimum requirement for individuals pursuing a career in fine arts, graphic arts, commercial art, art advertisement, marketing, and arts management. Patience, understanding, and the ability to effectively communicate orally and in writing are also necessary. A multitude of opportunities exists for those with a bachelor's degree in the Humanities, including teaching, employment in advertising agencies and publishing firms, arts business management, and research and development. For more information about this program, contact the Humanities Department in the Media Arts Building, Room 322.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
SSI	Social Science Elective (Group I)		3
MAT 101	College Mathematics or	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
MAT 120	Introduction to Statistics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
HUM	Humanities Elective (Group I)		3
HUM 507	Introduction to Art	DEV READ & WRITE 2 (ENG 091); Placement	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective (Group II)		3
HUM	Humanities Elective (Group II)		3
ENG	Literature Elective		3
HUM 544	Elements of Art and Design		3

Third Semester

LAN	Foreign Language I		3
HUM	Humanities Elective (Group III)		3
HUM	Humanities Elective (Visual Arts)		3
SCI	Laboratory Science Elective		4
SSI	Social Science Elective (Group III)		3

Fourth Semester

LAN	Foreign Language II*		3
HUM	Humanities Elective (Visual Arts)		3
HUM	Visual Arts Internship		3
SCI	Laboratory Science Elective		4
HUM	Directed Study: Visual Arts		3

Total: 63

*The second semester Language course must follow the first semester Language course.

**The Arts and Humanities/Visual Arts concentration requires six courses beyond the core Humanities requirements for an Associate of Arts Degree.

Humanities Concentration requires 6 courses beyond the AA Humanities/Literature core requirements.

Humanities Group I: History & Appreciation

Humanities Group II: Performance

Humanities Group III: Theory & Philosophy

SSI Group I: Anthropology, psychology, sociology

SSI Group II: Economics, political science, community organizing

SSI Group III: History

Joint Admissions Options

UMass Amherst into Humanities & Fine Arts

UMass Boston into College of Arts and Sciences

Bridgewater State into Art

Fitchburg State into English: Theater Track or Humanities

Framingham State
Mass. College of Liberal Arts into Fine and Performing Arts
Salem State into Arts and Sciences
Westfield State into All Majors
(except Criminal Justice, Psychology, Sociology, Movement Science, Education)
Worcester State into All Liberal Arts and Science majors

Transfer Articulation Options

MA College of Liberal Arts (Fine & Performing Arts -- Arts Management)
MA College of Art --Boston (Admission)

The Web Technologies option is designed for student's interested in becoming Web Masters or Web Site Developers using the personal computer as a tool in designing, developing and maintaining both front and back end components of web sites. Through an in-depth course of study and a capstone project, students will learn to create, maintain and manage industry-standard web sites and commerce sites on networks. Graduates of this program will be prepared for entry-level employment in the rapidly emerging field of web authoring and web developers. For more information contact the Computer Information Systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
ACS 100	College Survival Seminar		1
ENG 101	English Composition I	DEV READ & WRITE 2 (ENG 091); Placement	3
MAT 101	College Mathematics	INTERMEDIATE ALGEBRA (MAT 099); Placement	3
CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3
HUM	Humanities Elective	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

ENG 102	English Composition II	ENGLISH COMPOSITION I (ENG 101)	3
SSI	Social Science Elective		3
CIS	CIS Elective		3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 155	Web Development & Design I	INTERNET APPLICATIONS (CIS 115)	3

Third Semester

SCI 141	Physics I	COLLEGE MATHEMATICS (MAT 101)	4
SSI	Social Science Elective		3
HUM/ENG/LAN	Humanities Elective		3
CIS 157	Web Development & Design II	WEB DEVELOPMENT & DESIGN I (CIS 155)	3
CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3

Fourth Semester

CIS 159	Web Graphics	Web Development & Design II (CIS 157)	3
CIS 221	Systems Analysis & Design	VISUAL BASIC (CIS 122); ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 267	Advanced Visual Basic	VISUAL BASIC (CIS 122); COLLEGE MATHEMATICS (MAT 101)	3
CIS 298	CIS Internship		3
CIS 257	Internet Programming	Web Development & Design II (CIS 157)	3
Total:			65

The Web Technologies option is designed for students interested in becoming Webmasters or Web Developers using the personal computer as a tool in designing, developing and maintaining both front and back end components of web sites. Through an in-depth course of study and a capstone project, students will learn to create, maintain and manage industry-standard web sites and commerce sites on networks. Graduates of this program will be prepared for entry-level employment in the rapidly emerging field of web authoring and web developers.

For more information contact the Computer Information systems Department, Room 455, Academic Building.

First Semester

<u>Course Number</u>	<u>Course</u>	<u>Prerequisites</u>	<u>Credits</u>
CIS 102	Introduction to Programming	ENGLISH COMPOSITION I (ENG 101); COLLEGE MATHEMATICS (MAT 101)	3
CIS 155	Web Development & Design I	INTERNET APPLICATIONS (CIS 115)	3
CIS 111	Microcomputer Operating Systems	ENGLISH COMPOSITION I (ENG 101)	3
CIS	CIS Elective	ENGLISH COMPOSITION I (ENG 101)	3

Second Semester

CIS 141	Microcomputer Applications	DEV READ & WRITE 2 (ENG 091); Placement	3
CIS 181	Introduction to Computer Networks	MICRO OPERATING SYS (CIS 111)	3
CIS 157	Web Development & Design II	WEB DEVELOPMENT & DESIGN I (CIS 155)	3

Third Semester

CIS 122	Visual Basic	INTRO TO PROGRAMMING (CIS 102)	3
CIS 159	Web Graphics	Web Development & Design II (CIS 157)	3
CIS 257	Internet Programming	Web Development & Design II (CIS 157)	3
Total:			30