



INFORMATION TECHNOLOGY TRANSFER CONCENTRATION •

Associate in Science in Liberal Studies

BEDFORD CAMPUS AND LOWELL CAMPUS - DAY

✓	COURSE #	COURSE TITLE	CREDITS	PREREQUISITES
_____	CAP 156	Database Applications	3	CAP 101 or permission of instructor
_____	CSC 101	Introduction to Computer Science with Visual Basic	4	Students should be either taking, have successfully completed or tested out of MAT 080 or have completed MAT 085 and eligible for ENG 101
_____	CSC 156	Linux Fundamentals	3	CSC 101 or NST 165 or CSC 151 or permission of instructor
_____	ITC 101	Introduction to Information Technology	4	Successful completion of or placement out of ENG 071 and ENG 060, and enrollment in or successful completion of MAT 070
_____	ITC 125	Introduction to Web Publishing	3	CAP 101 or equivalent experience, placement above or successful completion of ENG 060 and current enrollment in, placement above or successful completion of ENG 071
_____	ITC 290	Information Technology Internship	3	Completion of at least 45 credits toward Computer & Engineering Technology degree program, achievement of a 3.0 GPA, completion of workplace skills seminar
_____	NST 181	Networking I	3	Completion of or concurrent enrollment in MAT 070 or placement above MAT 070
_____	NST 281	Computer Networking Security	3	NST 181 or permission of instructor
_____	ENG 101	English Composition I	3	C- in ENG 071 or eligible for ENG 101 and placement above or successful completion of ENG 060
_____	ENG 102	English Composition II: An Introduction to Literature	3	ENG 101
_____	_____	Humanities Elective	3	
_____	_____	Humanities Elective	3	
_____	_____	Humanities Elective	3	
_____	_____	Mathematics Elective*	3	
_____	_____	Mathematics Elective**	3	
_____	_____	Mathematics Elective***	3-4	
_____	_____	Laboratory Science Elective	4	
_____	_____	Laboratory Science Elective	4	
_____	_____	Economics Elective****	3	
_____	_____	Behavioral Science Elective	3	
_____	_____	Social Science Elective****	3	
			67-68	

Note: It is essential for students to work closely with their advisor for proper course sequencing. Additional coursework may be required based on college placement testing. The following courses will not satisfy any requirements for graduation: MAT 060, MAT 065, MAT 070. This program satisfies the Commonwealth Transfer Compact, which guarantees credit transfer to Massachusetts state colleges.

*Must be above MAT 070

**Must be MAT 100 or higher

***Must be above MAT 100

****See program advisor for recommended course depending on concentration

Program Description:

The Information Technology Transfer Concentration Associate in Science, Liberal Studies degree program is designed to prepare students either for transfer to a related bachelor's degree program, or for employment in a variety of entry-level information technology (IT) positions. The IT degree consists of a general education core curriculum common to all MCC degree programs, an IT program core that covers areas common to all IT careers, and the choice of either a transfer option or a career-specific concentration. The IT Transfer concentration is designed for students who wish to pursue a bachelor's degree in an IT-related field. It satisfies the Commonwealth Transfer Compact for state higher education institutions and has been developed in consultation with selected colleges in the region. Qualified students may be eligible to participate in the IT degree Internship Program.

Career and Transfer Outlook:

Graduates of this program can anticipate either transferring to a bachelor's degree program or beginning a career at entry-level employment within IT, depending on the concentration selected. Many industries base business systems on information technology. Entry-level employment in an area of IT design, development, administration, maintenance or other specialization related to the concentration selected is appropriate.

Helpful Hints:

Incoming students who already have computer literacy skills may begin taking the core courses as identified in the program. Students who do not have computer literacy skills, or who place into MAT 070 or lower on the college placement test, are encouraged to enroll in Exploring Technology (ITC 100).

Program Outcomes:

Graduates of the Information Technology Transfer Concentration program are prepared to:

- Write and debug a simple computer program;
- Develop and query a database;
- Install and administer Linux in a PC environment;
- Create, administer and secure a network;
- Display workplace skills such as teamwork, communication and Problem solving.