



**Program Description:**

The Information Technology General Studies 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 General Studies concentration provides students with the flexibility to design their own concentration of technology-based electives. Students work with a program advisor to select courses that will meet individual career plans and interests. 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).

**Note:** It is essential for students to work closely with their academic 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.

**Program Outcomes:**

Graduates of the Information Technology General Studies 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.

# INFORMATION TECHNOLOGY GENERAL STUDIES • 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 towards Computer & Engineering Technology degree program, achievement of a 3.0 GPA or 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 Network Security	3	NST 181 or permission of instructor
—	BUS 110	Introduction to Business <b>or</b>		Placement above or successful completion of ENG 060
—	BUS 221	Financial Accounting	3-4	ENG 060 or placement above ENG 060, CAP 101 and MAT 070 or placement above MAT 070.
—	ENG 101	English Composition I	3	C- in ENG071 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
—	—	Economics Elective**	3	
—	—	Behavioral Science Elective	3	
—	—	Humanities Elective	3	
—	—	Mathematics Elective*	3	
—	—	Science Elective	3-4	
—	—	<b>Choose 5 Approved Electives from one or more of the following areas:</b>	<b>15</b>	
—	—	Computer Applications Elective		
—	—	CAD Elective		
—	—	Computer, Software & Networking Technology Elective		
—	—	Computer Science Elective		
—	—	Engineering Elective		
—	—	Information Technology Elective		
—	—	Approved Elective		

\*Must be above MAT 070

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