



INFORMATION TECHNOLOGY

Professors: E. Mirielli (Chair), L. Webster

Contact: Ed Mirielli

Phone: (573) 592-5220

Email: Ed.Mirielli@westminster-mo.edu

A degree in Information Technology (ITY) will prepare students to use a wide array of technologies available to solve real-world problems that might occur in any discipline or organization. Emphasis is placed on software engineering, database design and management, computer networking, system support and administration, human computer interaction, and storage management. Students learn to balance the theory, practice and communication of information technology concepts through active learning strategies in a laboratory setting and presentation of their work to others in a variety of public forums. Important themes such as Business Continuity and Information Availability, Security, Virtualization and Cloud Computing are emphasized in many courses.

Majors must earn a grade of C- or better in all CSC/ITY courses.

If any substitutions of waivers of requirements are allowed, please list below and initial.

Course #	Title of Course	Hours Completed	Semester Completed	Grade

MAJOR: Information Technology

Student's Last Name		First Name	Middle Initial		
Advisor		Date Major Declared			
Course #	Title of Course	Hours Required	Semester Completed	Grade	
Required Courses: (31 hours)					
CSC 104	Programming Logic and Design	3			
CSC 178	Survey of Computer Science	3			
CSC 205	Visual Basic Programming	3			
CSC 327	Database Management Systems	3			
CSC 350	Systems Analysis and Design	3			
ITY 177	Foundations of Information Technology Science	3			
ITY 181	Introduction to Software Engineering	3			
ITY 232	Computer Networking	3			
ITY 234	Computer Networking Laboratory	1			
ITY 351	Systems and Software Engineering Laboratory	3			
MAT 114	Elementary Statistics	3			
Electives (18 hours total)					
At least three elective courses (9 hours) must come from the following list:					
ITY 250	Web Page Design, Aesthetics, and Interaction	3			
ITY 305	PC Hardware and Troubleshooting	3			
ITY 331	Information Storage and Management	3			
ITY 360	Adv. Digital Communications & Networking	3			
ITY 415	Information Technology in the Organization	3			
ITY 460	Networking Administration	3			
Other Elective courses (3 hours):					
CSC 210	Microcomputer Applications	3			
CSC 427	Client-Server and Web-based Programing	3			
CSC 454	Computer Science Practicum	1			
ITY 398	Independent Study in Information Technology	1-4			
ITY 399	Internship in Information Technology	1-4			
Additional Elective Courses, any 2 below (6 hours):					
PHL 244	Business Ethics	3			
PSY 112	Psychology as a Natural Science	3			
HES 261	Introduction to Epidemiology	3			
HES 240	Introduction to Global Health	3			
ECN 110	Introduction to Economics	3			
SEC 201	Introduction to Security Studies	3			
TNS 201	Introduction to International Studies	3			
SPE 101	Introduction to Speech Communication	3			
LST 201	Leadership Theories and Practice	3			
		Total Hours for Major	49 hrs.		