

INFORMATION TECHNOLOGY 5510
A Two-Year Program Leading to the A.S. Degree

This program is designed primarily for the purpose of preparing students to transfer to four-year schools. The curriculum includes a mixture of general education and information technology courses aimed at providing a foundation for further study and a career in the information technology field. Students will have the opportunity to choose from web development, applications development, database development, networking, or digital multimedia courses. (Designed primarily for transfer to Indiana State University.)

	Credit Hours	<i>Recommended Sequence of Courses</i> (This sequence assumes any necessary developmental requirements have been met.)
Major Program Requirements		
	38-39	
COMP 107 Web Page Design.....	3	
COMP 110 Introduction to Computer Concepts -or-		
COMP 201 The Computer in Business.....	3	
COMP 113 Advanced Web Page Design.....	3	
COMP 130 Communication and Networking.....	3	
COMP 146 Personal Computer Configuration and Management.....	3	
COMP 176 Introduction to Visual Programming.....	3	
COMP 203 Visual C++.....	3	
COMP 252 Introduction to Java Programming.....	3	
COMP 295 Systems Development.....	3	
ELEC 100 Basic Electricity and Electronics -or-		
CNET 150 Introduction to Firewalls and VPNs -and-		
CNET 235 NetPlus Preparatory ¹	5-6	
Approved Computer Electives ²	6	
General Education Requirements		
<i>See pages 67 to 77 in this catalog for a complete description of the general education and assessment requirements.</i>		
Basic Skills Core		
	9	
ENGL 101 English Composition I.....	3	
MATH 101 Intermediate Algebra.....	3	
SPCH 143 Speech.....	3	
<i>The Reading, Writing and Speaking Intensive requirements may be met by COMP 295. The Mathematics Intensive requirement may be met by a subsequent mathematics course or by passing a mathematics assessment examination.</i>		
Liberal Education Core		
	22	
ENGL 102 English Composition II.....	3	
ERTH 100 Earth Science -or-		
Lab Science Elective - Common Core List ³	4	
LFSC 100 Human Biology -or-		
Lab Science Elective - Common Core List ⁴	4	
PFWL 100 Lifetime Fitness/Wellness.....	2	
SOCL 151 Principles of Sociology.....	3	
Humanities Elective - Common Core List ⁵	3	
Social Science Elective - Core List.....	3	
<i>Computer Skills are enhanced by Major Program Requirements.</i>		
	69-70	

<i>Recommended Sequence of Courses</i> (This sequence assumes any necessary developmental requirements have been met.)	
Semester I	
COMP 107.....	3
COMP 130.....	3
COMP 176.....	3
ENGL 101.....	3
MATH 101.....	3
SOCL 151.....	3
Total Hours:	18
Semester II	
COMP 110/201.....	3
COMP 113.....	3
COMP 146.....	3
ENGL 102.....	3
PFWL 100.....	2
SPCH 143.....	3
Total Hours:	17
Semester III	
COMP 203.....	3
ELEC 100 or CNET 150/CNET 235.....	5-6
LFSC 100/Lab Sci Elec.....	4
Computer Elecs.....	6
Total Hours:	18-19
Semester IV	
COMP 252.....	3
ERTH 100/Lab Sci Elec.....	4
Humanities Elec.....	3
COMP 295(R/W/S).....	3
Soc Sci Elective.....	3
Total Hours:	16

¹ Students transferring to Indiana State University should take ELEC 100 Basic Electricity and Electronics.

² Approved Computer Electives: COMP 180 COBOL Programming, COMP 193 Oracle Fundamentals/SQL*Plus, COMP 204 RPG IV Programming, COMP 215 Database Management/SQL, CNET 231 Microsoft Windows Administration, CNET 232 Novel Network Administration, CNET 233 UNIX/Linux Administration, CNET 240 Web Server Management, CWEB 150 Web Development, CWEB 151 Introduction to Web Graphics and Tools, CWEB 153 Multimedia on the Web, CWEB 213 Web-based Electronic Commerce, CWEB 254 Web Security and Ethical Issues, DESN 120 Computer Illustration.

³ Students transferring to Indiana State University should take EARTH 100 Earth Science.

⁴ Students transferring to Indiana State University should take LFSC 100 Human Biology.

⁵ Students transferring to Indiana State University should take PHIL 212 Introduction to Ethics.