

CIS NAME CHANGE

FORM FOR REQUEST FOR CHANGE IN UNDERGRADUATE PROGRAM

Program: Computer Information Systems

Formal Option: (if applicable) _____ or **Specialty Field:** (if applicable) _____

Department: Computer Information Systems **College:** Lexington Community College

Degree title: Associate in Applied Science **Bulletin pp.:** UK-224, LCC-50

CIP Code: A11.0301 **UK ID No.:** _____ **HEGIS CODE:** _____

Accrediting Agency (if applicable): _____

I. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

1. Particular University Studies Requirements or Recommendations for this program

Not Applicable

2. College Depth and Breadth of Study Requirements (if applicable) (including particular courses required or recommended for this program) NOTE: To the extent that proposed changes in 2. through 6. involve additional courses offered in another program, please submit correspondence with the program(s) pertaining to the availability of such courses to your students.

Not Applicable

3. Premajor or Preprofessional Course Requirements (if applicable)

CIS 105	Introduction to Computing	3
CIS 110	Operating Systems Concepts	3
CIS 120	Program Design	3
CIS 130	Microcomputer Applications	3

Total Hours: 73-75

4. Credit Hours Required

Current: 73-75 Proposed: no change

a. Total Required for Graduation: 73

b. Required by level:

100	<u>52</u>	200	<u>21</u>
300	_____	400-500	_____

c. Premajor or Preprofessional (if applicable) 12

d. Field of Concentration (if applicable) Not applicable

e. Division of Hours Between Major Subject and Related Field (if applicable) Not applicable

f. Hours Needed for a Particular Option or Specialization (if applicable) 24-25

g. Technical or Professional Support Electives (if applicable) 3

h. Minimum Hours of Free or Supportive Electives [Required] Not applicable

5. Major or Professional Course Requirements

Current

Core

General Education

ENG 101	Writing I	3
ENG 102	Writing II	3
MA 109	College Algebra	3
	Oral Communication Course	3
	Social Interaction Course	3
	Heritage/Humanities/Foreign Language Course	3
	Science Course	3-4

Premajor Requirements		
CIT 105	Introduction to Computing	3
CIT 110	Operating Systems Concepts	3
CIT 120	Program Design	3
CIT 130	Microcomputer Applications	3

Major Requirements		
CIT 150	Internet Technologies	3
CIT 160	Data Communications and Networking	4
ETE134	Computer Hardware Maintenance	3
	Approved Level I Programming Language	3
	Approved Technical Course(s)	3

Subtotal 49-50

Applications Option

CIT 170	Introduction to Database Design	3
CIT 220	Systems Analysis and Design	3
CIT 290	Information Systems Design and Implementation	3
	Approved Applications Specialization	9
	Approved Management Course	3
	Approved Accounting Course	3

Subtotal 24

Computer Science Option

CS215	Introduction to Program Design, Abstraction, and Problem Solving*	4
CS216	Introduction to Software Engineering*	3
MA113	Calculus I*	4
MA114	Calculus II*	4
PHY241	General University Physics Laboratory*	1
	USP Requirement*	3
	USP Requirement*	3

Subtotal 22

Note: Students pursuing the Computer Science Option:
MUST take CS 115, Introduction to Computer Programming (3) as their core Approved Level I Programming Language course,
AND
MUST take PHY 231, General University Physics (4) as their core Science course,
AND
MUST take MA 110, Analytical Geometry and Trigonometry (4); OR MA 109, College Algebra (3) AND MA 112, Trigonometry (2) as their core Mathematics course,

AND
SHOULD take EE 280, Design of Logic Circuits (3) OR CS 275, Discrete Mathematics (4) at the University of Kentucky as their core Technical Course.

Internet Technologies Option

	IMD175	Web Usability Design*	3
		OR	
	IMD180	Intermediate Web Design*	(3)
	CIT253	Data Driven Web Pages* 3	
		Approved Level I Web Programming Language*	3
		Approved Level II Web Programming	
Language* 3			
	CIT170	Database Design*	3
	CIT220	Systems Analysis and Design*	3
	CIT290	Information Systems Design and	
Implementation* 3			
	CIT294	Seminar in Web Technologies* 3	
	Subtotal		24

Note: Students pursuing the Internet Technologies Option must take CIT171 and either CIT140 or CIT149.

Network Technology Option

	CIT 260	Network Hardware Installation and	
Troubleshooting	3		
	CIT 269	Internet Protocols	3
	CIT 292	Designing Network Solutions	3
		Approved Level I Network	
		Technology Specialization	6
		Approved Level I or II Network	
		Technology Specialization	6
		Approved Scripting Language Course	3
	Subtotal		24

Programming Option

	CIT 170	Introduction to Database Design	3
	CIT 220	Systems Analysis and Design	3
	CIT 290	Information Systems Design and	
Implementation	3		
		Approved Level I Programming Language	3
		Approved Level II Programming Language	3-4
		Approved Level I or II Programming Language	3-4

	Approved Management Course	3
	Approved Accounting Course	3
Subtotal		24-25
Total		73-75

Course Choice Lists

Approved Accounting Courses*

ACC 201	Financial Accounting I	3
ACC 202	Managerial Uses of Accounting Information	3

Approved Management Courses*

MGT 200	Small Business Management	3
MGT 283	Principles of Management	3
MGT 287	Supervisory Management	3
MGT 291	Retail Management	3
QT 101	Quality Management Principles	3

Approved Applications Specializations*

Productivity Software Specialization

IMD 235	Advanced Word Processing	3
	AND	
CIT 234	Advanced Spreadsheet Applications	3
	AND	
CIT 236	Advanced Database Applications	3

Database Developer Specialization

CIT 171	SQL I	3
	AND	
CIT 271	SQL II	3
	AND	
CIT 236	Advanced Database Applications	3

Geographic Information Systems

GIS110	Spatial Data Analysis and Map Interpretation	3
	AND	
GIS120	Introduction to Geographic Information Systems	3
	AND	
GIS210	Advanced Geographic Information Systems	3

Approved Level I Network Technology Specializations*

Windows 2000 Specialization

CIT 211 Microsoft Windows Client Operating Systems:
(Topic) 3

AND

CIT 212 Microsoft Windows Server Operating Systems:
(Topic) 3

Unix Specialization

CIT 217 Unix Administration 3

AND

CIT 218 Advanced Unix Administration 3

CITCO Specialization

CIT 281 Routing and Switching 3

AND

CIT 282 Advanced Routing and Switching 3

Note: Students pursuing the Cisco Specialization should also take CIT283, Wide Area Network Management and Design in order to complete their Cisco Certified Network Administrator (CCNA) preparation.

Approved Level II Network Technology Specializations*

Advanced Microsoft Windows Specialization

CIT 261 Microsoft Windows Directory Services
Administration 3

AND

CIT 262 Microsoft Windows Network Infrastructure 3

Approved Level I Programming Languages*

CIT 140 JavaScript I: JavaScript and the Web 3

CIT 141 VBScript I: VBScript Fundamentals 3

CIT 143 COBOL I 3

CIT 145 Perl I: Perl Fundamentals 3

CIT 148 Visual Basic I 3

CIT 149 Java I: Java Fundamentals 3

CIT 171 SQL I 3

CS 115 Introduction to Computer Programming 3

Approved Level II Programming Languages*

CIT 243 COBOL II 3

CIT 245 Perl II: Perl and the Web 3

CIT 248 Visual Basic II 3

CIT 249 Java II: Java and the Web 3

CIT 271 SQL II 3

CS 215 Introduction to Program Design, Abstraction,
and
Problem Solving 4

CS 216 Introduction to Software Engineering 3

Approved Level I Web Programming Languages*

CIT148	Visual Basic I	3
CIT149	Java I: Java Fundamentals	3
CIT171	SQL I	3

Approved Level II Web Programming Languages*

CIT248	Visual Basic II	3
CIT249	Java II: Java and the Web	3
CIT271	SQL II	3

Approved Scripting Languages*

CIT 140	JavaScript I: JavaScript and the Web	3
CIT 141	VBScript I: VBScript Fundamentals	3
CIT 145	Perl I: Perl Fundamentals	3

Technical Courses*

ACH 100	Construction Documents I	3
ACH 185	Computer-Aided Drafting I	3
CAD 100	Introduction to Computer-Aided Design	3
COE 199	Cooperative Education: CIT	1-8
ETE112	Digital Logic Circuits	4
ETE256	Microprocessor Fundamentals	4
GIS 120	Introduction to Geographic Information Systems	3
IMD 126	Introduction to Desktop Publishing	3
IMD 226	Advanced Desktop Publishing	3
	Additional CIT Course(s) (EXCEPT CIT103)	1-3
	Additional CS Course(s)	
	(EXCEPT CS100 and CS101)	3-4
	Approved Accounting Courses	3

*** Or other courses approved by Computer Information Systems Program Coordinator**

Note:

- **Students may not use one course to fulfill multiple requirements.**
- **Students may choose CIT280 or COE199 for a maximum of 3 credit hours.**

Proposed Changes

The Computer Information Systems program will change its name to Computer & Information Technologies.

6. Minor Requirements (if applicable)

Not Applicable

Total Hours: 73-75

7. Rationale for Change(s): (If rationale involves accreditation requirements, please include specific references to those requirements.)

The change to the name of program is designed to reflect the changes to the field and the program over the past 15 years. Originally a program that dealt heavily with systems, the program has branched into networking, databases, and geographic information systems, areas which may still be deemed computer information systems, but may more correctly be considered information technologies.

8. List below the typical semester by semester program for a major.

Current (Note: Semester by semester program represents General Education, Premajor, and Major Core courses.)

An asterisk indicates a required course.

First Year – Summer Session:

CIT 105	Introduction to Computing*	3
	Social Interaction Course*	3
Subtotal		6

First Year – Fall Semester:

CIT 110	Operating Systems Concepts*	3
CIT 120	Program Design*	3
CIT 130	Microcomputer Applications*	3
ENG 101	Writing I*	3
MA 109	College Algebra*	3
	Oral Communications Course*	3
Subtotal		18

First Year – Spring Semester:

	OPTION REQUIREMENT*	3
CIT 150	Internet Technologies*	3
ENG 102	Writing II*	3
ETE134	Computer Hardware Maintenance*	3
CIT 160	Data Communications and Networking*	4
	Approved Level I Programming Language*	3

Subtotal		19
<u>Second Year – Fall Semester:</u>		
	OPTION REQUIREMENT*	3
	OPTION REQUIREMENT*	3
	OPTION REQUIREMENT*	3
	OPTION REQUIREMENT*	3
	Science Course*	3-4
Subtotal		15-16
<u>Second Year – Spring Semester:</u>		
	OPTION REQUIREMENT*	3
	OPTION REQUIREMENT*	3
	OPTION REQUIREMENT*	3
	Heritage/Humanities/Foreign Language Course*	3
	Approved Technical Course*	3-4
Subtotal		15-16
Total		73-75

Will this program be printed in the Bulletin? Yes No

