



# Computer Information Systems

## B.B.A. Degree

### Network Management Concentration

#### What is Computer Information Systems (CIS)?

A Bachelor or Business Administration degree in Computer Information Systems (CIS) focuses on the applications and implications of computing in the business domain. Graduates with this degree have studied electronic business development techniques and tools, project management, business application programming, forensic computing, and database management along with accounting, finance, marketing, and business strategies.

#### Where do our graduates work?

Toyota Motor Corporation, IBM, Lexmark, Software Architects Inc., Ashland Oil, Trim Masters, Newport Steel Corporation, Osram Sylvania, SCT Corporation, Cintas, Comptek, Delta Natural Gas, Humana, St. Joseph Hospital, GTE South, Kroger, Ohio Casualty, Cincinnati Financial, Fifth Third Bank, State Farm Insurance, Kentucky Farm Bureau, Grange Mutual, First Investors Corporation, U.S. Department of Agriculture, Kentucky State Government, Lexington-Fayette Urban Government.

#### What kinds of jobs are out there for a CIS graduate?

**During school:** Co-op and internship pay ranges from \$10 to \$17 per hour. EKU has the largest co-op program in the State with more job opportunities than students to fill them.

**After graduation:** Systems Analyst, Computer Support Specialist, IT Consultant, Business Application Programmer, Network Specialist, Database Analyst/Designer, Web Developer.

**Long term:** IT Project Manager, Database Administrator, Systems Development Manager, Chief Technology Officer, Chief Information Officer, President, Chief Executive Officer.

#### What kind of salary range can CIS graduates expect?

CIS is one of the top ten most popular majors in college. Systems analysts and computer support specialists have been projected as number two and three on job growth in the U.S. The starting salary for CIS graduates in 2008 averaged \$52,500 (NACE Salary Survey, Jan. 2009).

#### What student organization is available?

The Association of Information Technology Professional (AITP) offers students an opportunity to learn from industry leaders, attend national trade shows, and perform community service projects.

#### For More Information

Department of Accounting, Finance and Information Systems  
108 Business & Technology Center  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
859-622-1087  
<http://cis.eku.edu>





### Suggested Curriculum Guide for Network Management Concentration

#### Freshman (1<sup>st</sup> Semester) 16 hrs

**BTO 100\*** Orientation  
**E-2 MAT 112** College Algebra (or MAT 211 Calculus)  
**E-5B PSY 200** or **SOC 131** Intro PSY or Intro SOC  
**CIS 212** or **INF 104** Intro to CIS or Computer Literacy  
**E-1A\*** ENG 101  
**Wellness** (3 hrs)

#### Sophomore (1<sup>st</sup> Semester) 15 hrs

**ACC 201** Introduction to Financial Accounting  
**ECO 230** Principles of Economics I  
**CIS 215** Introduction to Business Programming  
**E-3B** Humanities  
**E-5A** Historical Perspective

#### Junior (1<sup>st</sup> Semester) 15 hrs

**CIS 335\*** Database Management  
**CIS 375\*** Networks and Telecommunications  
**CCT 300W** Managerial Reports  
**FIN 300** Business Finance I  
**MGT 300** Principles of Management  
**BTS 300** Professional Skills Seminar (0 credit)

#### Senior (1<sup>st</sup> Semester) 15 hrs

**CIS 380\*** Information Sys Analysis & Design  
**MGT 370** Operations Management  
**MKT 300** Principles of Management  
**Major Elective** (3 hrs)  
**E-6** Diversity

#### Freshman (2<sup>nd</sup> Semester) 15 hrs

**QMB 200** Business Statistics  
**CIS 240** Web Information Systems  
**E-1B\*** ENG 102  
**E-3A** Arts  
**E-4A or B** Biological/Physical Lab Science

#### Sophomore (2<sup>nd</sup> Semester) 15 hrs

**ACC 202** Introduction to Managerial Accounting  
**ECO 231** Principles of Economics II  
**GBU 204** Legal and Ethical Environments of Business  
**Free Elective** (Non-Business 3 hrs)  
**E-1C** Oral Communication

#### Junior (2<sup>nd</sup> Semester) 15 hrs

**CIS 300** Management Information Systems  
**CIS 340\*** E-Business Technologies and Tools  
**CIS 475\*** Advanced Telecommunications  
**NET 343 or 354 or 403** (3 hrs)  
**E-4 A or B** Biological/Physical Lab Science

#### Senior (2<sup>nd</sup> Semester) 14 hrs

**CIS 410\*** Project Management and Practice  
**GBU 480\*** Business Strategy  
**Free Elective** (Non-Business 5 hrs)  
**E-6** Diversity  
**BTS 400** College to Careers Seminar (0 credit)\*

\*Course must be taken in semester indicated.

### UNIVERSITY GRADUATION REQUIREMENTS

General Education .....	36 hrs
Orientation Course (BTO 100; waived for transfers with 30+ hrs.) .....	1 hr
Wellness.....	3 hrs
Total Hours University Graduation Requirements .....	40 hrs

#### College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

#### Core Courses:

Pre-Business Core .....	12 hrs
ACC 201, 202, GBU 204, QMB 200	
Business Core .....	21 hrs
CCT 300W, CIS 300, FIN 300, MGT 300, MGT 370, MKT 300, GBU 480	

#### Major Core .....

CIS 215, 335, 340, 375, 380, 410 ..... 18 hrs

#### Network Management Concentration .....

Three hours from CIS 420 or CIS 475, three hours from NET 343 or NET 354 or NET 403, and three hours from one of the following (CIS 349, 420, 475, NET 343, NET 354, NET 403), or an upper-division course approved by the department. .... 9 hrs

#### Supporting Course Requirements .....

CIS 212 or INF 104  
 CIS 240  
 ECO 230 & 231  
 MAT 112/211 (counted in GE Element 2)  
 PSY 200/200W or SOC 131 (counted in GE Element 5) ..... 12 hrs

#### Free Electives (Non-Business) .....

..... 8 hrs

#### Total Curriculum Requirements.....

..... 120 hrs