



## 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

College of Business  
108 Business & Technology Center  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
859-622-1377  
<https://business.eku.edu/>  
[www.cis.eku.edu](http://www.cis.eku.edu)





**Suggested Curriculum Guide for Network Management Concentration**

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

- BUS 100 (1)\*** Professional Development Series
- BUS 101\*** Nature of Business
- E-1A\*** ENG 101
- E-2 MAT 112A/B, 114** Algebra & Applications or **MAT 211** Calculus
- E-3A** Arts
- E-6** Diversity

**Sophomore (1<sup>st</sup> Semester) 16 hrs**

- BUS 200 (1)\*** Professional Development Series
- BUS 209** Fundamentals of Financial and Managerial Accounting
- E-5A** Historical Perspective
- BUS 207** Fundamentals of Interpersonal Business
- ECO 230** Fundamentals of Microeconomics (Element 5B)
- CIS 240** Introduction to Web Information Systems

**Junior (1<sup>st</sup> Semester) 13 hrs**

- BUS 300 (1)\*** Professional Development Series
- BUS 302** Essentials of Finance
- BUS 305** Essentials of Marketing
- CIS 335** Database management
- CIS 215** Introduction to Business Programing

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

- BUS 400 (1)\*** Professional Development Series
- BUS 306** Essentials of Operations and Supply Chain
- E-4A** Biological or **E4B** Physical Lab Science
- Free Elective** (2 hrs)
- CIS 375** Networks and Telecommunications
- CIS 380** Information Systems Analysis and Design

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

- BUS 206** Fundamentals of Problem Solving with Excel
- E-1B\*** ENG 102
- E-1C** CMS 100 or 210
- E-3B** Humanities
- E-4A** Biological or **E4B** Physical Lab Science

**Sophomore (2<sup>nd</sup> Semester) 16 hrs**

- ECO 231** Fundamentals of Macroeconomics
- BUS 204** Fundamentals of Business Law and Ethics
- STA 270 (4)** Applied Statistics
- BUS 304** Essentials of Management and Information Systems
- BUS 301W** Essentials of Formal Business Communication

**Junior (2<sup>nd</sup> Semester) 14 hrs**

- E-6** Diversity
- BUS 303** Essentials of Organizational Behavior and HR
- CIS 340** Electronic Business technologies and Tools
- Free Elective** (2 hrs)
- CIS Elective** (3 hrs)

**Senior (2<sup>nd</sup> Semester) 15 hrs**

- Free Elective** (3 hrs)
- CIS 410** Project Management and Practice
- BUS 402** Integrated Strategic Management
- CIS 420/475** Forensic Computing: Network Analysis/Advanced Telecommunications
- NET 343, 354, or 403 (3 hrs)**

\*Course must be taken in semester indicated.

**UNIVERSITY GRADUATION REQUIREMENTS**

General Education .....	36 hrs
Student Success Seminar (BUS 100) .....	1 hr
Total Hours University Graduation Requirements .....	37 hrs

**College Requirements:**

BUS 300 (1 hour) and BUS 400 (1 hour) .....	2 hrs
Professional Development Series.....	1 hr
BUS 100, 200, 300, 400	
Nature of Business: BUS 101.....	3 hrs
Fundamentals Series: Environment and Tools of Business.....	12 hrs
BUS 204, 206, 207, 209	

Essentials Series: Functions of Business: BUS 301W, 302, 303, 304, 305, and 306.....	18 hrs
Mastery of Business: BUS 402.....	3 hrs

**Supporting Course Requirements**..... 7 hrs

Environment of Business: ECO 230 (<sup>G</sup>Element 5B) and 231  
Tools of Business: MAT 112A and 112B (<sup>G</sup>Element 2), 114(<sup>G</sup>Element 2), or 211(<sup>G</sup>Element 2), STA 270

<sup>G</sup> = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education Requirement above.

<b>Major Core</b> .....	21 hrs
CIS 215, 240, 335, 340, 375, 380, 410	

**Network Management Concentration** .....

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

<b>Free Electives (Non-Business)</b> .....	7 hrs
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<b>Total Curriculum Requirements</b> .....	<b>120 hrs</b>
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