

Vita Curriculum

Casey G. Cegielski
CISSP, CISA, CRISC

Department of Systems & Technology
Harbert College of Business
Auburn University
Auburn University, AL 36849
(334) 844-6542
cegieca@auburn.edu

ACADEMIC APPOINTMENTS

- 07/15 – Present** **J.W. Woodruff Professor of Information Systems Management**
Department of Systems & Technology
Auburn University, Auburn Alabama
- 08/14 – 7/15** **Professor of Information Systems Management**
Department of Systems & Technology
Auburn University, Auburn Alabama
- 08/05 – 08/14** **Associate Professor of Information Systems Management**
Department of Systems & Technology
Auburn University, Auburn Alabama
- 05/06 – 5/07** **Associate Professor and KPMG LLP Advisory Faculty Fellow**
Department of Management
Auburn University, Auburn Alabama
- 05/01 – 08/05** **Assistant Professor of Information Systems Management**
Department of Management
Auburn University, Auburn Alabama
- 08/00 – 05/01** **Lecturer in Information Systems Management**
Department of Management
Auburn University, Auburn Alabama
- 08/98 – 08/00** **Graduate Teaching Assistant**
Area of MIS/POM
University of Mississippi, Oxford, Mississippi
- 08/97 – 05/98** **Adjunct Instructor of Accounting**
College of Business Administration
Belmont University, Nashville, Tennessee
- 01/95 – 12/95** **Graduate Teaching Assistant, Accounting Information Systems**
Department of Accounting
University of Alabama, Tuscaloosa, Alabama

EDUCATION

Doctor of Philosophy, The University of Mississippi, May 2001

Major: *Management Information Systems*

Minor: *Telecommunications* (through the School of Engineering)

Minor: *Operations Management*

Advisor: Brian J. Reithel

Dissertation Title: “A Model of the Factors that Affect the Integration of Emerging Information Technology into Corporate Strategy”

Master of Accountancy, The University of Alabama, December 1995

Bachelor of Arts, The University of Alabama, May 1993

RESEARCH INTERESTS

- Information Security
- Inter-organizational Systems
- Organizational Data Analytics

TEACHING INTERESTS

- Cyber/Information Security
- Data Management & Data Analytics
- Systems Analysis, Design, and Development

PUBLICATIONS Referred Journal Publications

1. Zhu, S., Song, C., Hazen, B., Lee, K., and C. Cegielski, “How Supply Chain Analytics Enables Operational Supply Chain Transparency: An Organizational Information Processing Theory Perspective,” *International Journal of Production Distribution and Logistics Management*, Vol 48(1), 2018.
2. Wang, Y., Kung, L., Wang, W., and C. Cegielski, “Developing a Big DataEnabled Transformation Model in Healthcare: A Practice Based View,” forthcoming at *Information & Management*
3. Sun, S., Lin, J., Cegielski, C., and D. Hall, “Understanding the Main Factors Affecting the Organizational Adoption of Big Data,” forthcoming at *Journal Computer Information Systems*
4. Sun, S., Cegielski, C. and Z. Li, “Amassing and Analyzing Customer Data in the Age of Big Data: An Exploratory Case Study of Haier’s Online to Offline Business Model,” *Journal of Information Technology Case and Application Research*, Vol. 17 (3/4), 2015.

5. Kung, L., Cegielski, C., H. Kung, "An Integrated Environmental Pressure Perspective on Software as a Service Adoption in Manufacturing and Retail Firms," *Journal of Information Technology*, Vol. 30 (4), 2015.
6. Cegielski, C., and A. Jones-Farmer, "Big Data in the Classroom: An Industry-Derived Model of a Comprehensive Analytics Curriculum," *Decision Sciences Journal of Innovative Education*, Vol 14 (1), 2016.
Awarded "Best Research Manuscript" for 2016
7. Bourrie, D., Cegielski, C., Jones-Farmer, A., and S. Sankar, "Identifying Characteristics of Dissemination Success Using an Expert Panel," *Decision Sciences Journal of Innovative Education*, Vol. 12 (4), 2014.
8. Drake, J., Hall, D., Cegielski, C., and T. Byrd, "An Exploratory Look at Early Online Auction Decisions: Extending Signal Theory," *Journal of Theoretical and Applied Electronic Commerce Research*, Vol. 10 (1), January 2015.
9. Jia, L., and C. Cegielski, "The Role of Trust in Consumers' Online Repurchase Intention," *Journal of Organizational & End User Computing*, Vol. 26(3), 2013.
10. Weigel, F., Hazen, B., Cegielski, C. and D. Hall, "Diffusion of Innovations and the Theory of Planned Behavior in Information Systems Research: A Meta-Analysis," *Communications of the AIS*, Vol. 34 (31), 2014.
11. Overstreet, R., Hanna, J., Byrd, T., and C. Cegielski, "Effect of Leadership Style and Innovativeness on Organizational Performance," *International Journal of Logistics Management*, Vol. 24 (2), 2013.
12. Tung, H., Hazen, B., Cegielski, C., and A. Jones-Farmer, "Performance Expectancy and Use of Enterprise Architecture: Training as an Intervention," *Journal of Enterprise Information Management*, Vol. 27(2), 180-196, 2014.
13. Weigel, F., Rainer, K., Hazen, B., Cegielski, C. and N. Ford, "Uncovering Research Opportunities in the Medical Informatics Field: A Quantitative Content Analysis," *Communications of the AIS*, Vol. 33(1), 2, 2013.
14. Wu, Y., Cegielski, C., Hazen, B., and D. Hall, "Cloud Computing in Support of Supply Chain Information System Infrastructure: Understanding When to Go to The Cloud," *Journal of Supply Chain Management*, Vol. 49 (3), 2013.
15. Cegielski, C., Bourrie, D., and B. Hazen, "The Emerging Information Technology Evaluation Model: A Facilitator for the Rapid Assessment of Innovation Compatibility with Corporate Information Technology Strategy," *Information Systems Management*, Vol. 30 (1), 2013.
16. Cegielski, C., Jones-Farmer, A., Wu, Y., and B. Hazen, "Understanding Organizational Adoption of Cloud Computing Information Technologies in Supply Chains: An Information Processing Perspective Approach," *International Journal of Logistics Management*, Vol. 23 (2), 2012.

17. Weigel, F., Rainer, K., Hazen, B., Cegielski, C. and N. Ford, "Diffusion of Innovation Theory in Medical Informatics Research" *International Journal of Healthcare Information Systems and Informatics*, Vol. 7 (3), 2012.
18. Morrison, R., Cegielski, C., and K. Rainer, "In Avatars We Trust: An Examination of the Impact of Avatars on Trust in Computer-Mediated Communications," *Journal for Computer Information Systems*, Vol. 53 (1), 2012.
19. Hazen, B., Cegielski, C., and J. Hanna, "Supply Chain Innovation Diffusion: Going Beyond Adoption," *International Journal of Logistics Management*, Vol. 23 (1), 2012.
20. Hazen, B., Hanna, J., Cegielski, C., Hall, D., Jones-Farmer, A., and W. Yun, "Realizing Competitive Advantage Via the Adoption of Green Reverse Logistics," *The International Review of Retail, Distribution and Consumer Research*, Vol. 22 (4), 2012.
21. Hazen, B., Cegielski, C., and J. Hanna, "Diffusion of green supply chain management: Examining perceived quality of green reverse logistics," *The International Journal of Logistics Management*, Vol. 22 (3), 2011.
22. Cegielski, C., Rainer, K., and B. Hazen, "Teach Them How They Learn: Learning Styles and Object Oriented Systems Development Courses," *Journal of Information Systems Education*, Vol. 22 (2), 2011.
23. Overstreet, R., Hall, D., and C. Cegielski, "Predictors of the Intent to Adopt Preventative Innovations: A Meta-Analysis," *Journal of Applied Social Psychology*, Vol. 43 (1), 2013.
24. Cumbie, B., Cegielski, C., and C. Sankar, "An Exploratory Delphi Study among Small Business Executives on Adoption of Disaster Recovery Practices," *Journal of Information Systems Security*, Vol. 5 (1), 2009.
25. Skipper, B., Hanna, J., and C. Cegielski, "Supply Chain Contingency Planning and Firm Adoption: An initial Look at Differentiating the Innovators," *Transportation Journal*, Vol. 48 (2), 2009.
26. Cegielski, C., "Toward an Interdisciplinary Information Assurance Curriculum: Knowledge and Skill Sets Required of Information Assurance Professionals," *Decisions Sciences Journal of Innovative Education*, Vol. 6 (1), 2008.
27. Prince, B., Huett, J., C. Cegielski, "An Exploration of the Impact of Speech Recognition Technologies on Group Effectiveness and Efficiencies," *Review of Business Research* 8(6): 151-159.
28. Cegielski, C. and D. Hall, "What Makes a Good Programmer? An Examination of the Relationship of Values, Cogitation, and Personality as Predictors of ObjectOriented Programming Performance," *Communications of the Association for Computing Machinery*, Vol. 49 (10), 2006.

29. Cegielski, C., Rebman, C., and D. Hall, "Planned Organization Change Modeling as Determinants of Enterprise-wide Systems Implementation Success," *International Journal of Information Systems and Change Management*, Vol. 1 (3), 2006.
30. Hall, D., Cegielski, C., and N. Wade, "Value Beliefs, Cognitive Ability, and Personality as Predictors of Task Performance in Object-Oriented Environments," *Decision Sciences Journal of Innovative Education*, Vol. 4 (2), 2006.
31. Syler, R., Cegielski, C., Rainer, K., and S. Oswald, "Learning Independence as a Driver in Student Maximization of Web-Based Learning Tools: An Exploratory Examination of an Introductory CIS Applications Course," *Decision Sciences Journal of Innovative Education*, Vol. 4 (1), 2006.
Awarded "Best Research Manuscript" for 2006
32. C. Rebman, C. Cegielski, and B. Prince, "Examining the differences of gender perception in the use of Speech Recognition as a tool in Group Support Systems," *Academy of Information and Management Science Journal*, Vol. 9 (1), 2006.
33. Cegielski, C., Reithel, B., and C. Rebman, "Emerging Information Technologies: A Key to Developing a Timely Information Technology Strategy," *Communications of Association for Computing Machinery*, Vol. 48 (8), August 2005.
34. Hall, D, Guo, Y., Davis, R., and C. Cegielski, "Extending Unbounded Systems Thinking with Agent-Oriented Modeling: Conceptualizing a Multiple Perspective Decision-Making Support System," *Decision Support Systems*, Vol. 41 (1), 2005.
35. Peachy, T, Hall, D., and C. Cegielski, "Knowledge Management and the Leading Information Systems Journals: An Analysis of Trends and Gaps in Published Research," *International Journal of Knowledge Management*, Vol. 1 (3), 2005.
36. Cegielski, C., Reithel, B., and C. Rebman, "Issues Affecting the Integration of Emerging Information Technologies into Corporate Information Technology Strategy: A Delphi Study," *Academy of Information and Management Science Journal*, Vol. 8 (1), 2005
37. Cegielski, C., "Who Values Technology Certification?" *Communications of the Association for Computing Machinery*, Vol. 47 (10), October 2004.
38. Rebman, C., Cegielski, C., and F. Kitchens, "Web-Based Instructional Course Development: Lessons Learned and a Proposed Model," *Journal of Informatics Education Research*, Vol. 6 (2), Summer 2004.
39. Cegielski, C., and C. Rebman, "Building a Timely Information Technology Strategy: A Process to Efficiently Acquire Decision Useful Information Regarding Emerging Information Technologies," *Issues in Information Systems*, Vol. 4 (1), 2003.

40. Cegielski, C., Rebman, C, Lang, T., and F. Kitchens, "What Is A Dot-Com Worth? An Exploration of the Value Estimates of Information Technology-Based Firms," *Journal of Computer Information Systems*, Vol. 43 (2), 2003.
41. Cegielski, C., Rebman, C., and B. Reithel, "The Value of Network Certification: A Field Study of the Perceptions of LAN End-Users," *Information Systems Journal*, Vol. 13 (1), January 2003.
42. Rebman, C., Aiken, M., and C. Cegielski, "Speech Recognition in the HumanComputer Interface," *Information & Management*, Vol. 40 (6), 2003.
43. Syler, R., Cegielski, C., and T. Byrd, "An Exploratory Analysis of the Effects of Information Technology Infrastructure Flexibility on Firm Performance: A Structural Equation Modeling Approach," *Academy of Information and Management Science Journal*, Vol. 5 (1), 2002.

Referred Conference Proceedings

1. "The Impact of Supply Chain Analytics on Operational Supply Chain Transparency: An Information Processing View," Zhu, S., Song, C., and C. Cegielski, 2017, **Americas Conference on Information Systems (AMCIS)**, Boston, MA.
2. "Developing IT-Enabled Transformation Model: The Case of Big Data in Healthcare," Wang, Y., Cegielski, C. and L. Kung, 2014, **International Conference on Information Systems**, Auckland, NZ.
3. "Understanding the Factors Affecting Organizational Adoption of Big Data in Developing Countries," Sun, S., Cegielski, C., Jia, L., and D. Hall, 2014, **Decision Sciences Institute Annual Conference**, Tampa, FL.
4. "Environmental Pressure on Software as a Service Adoption: An Integrated Perspective," Kung, L., Cegielski, C., and Kung, H., 2013 **Americas Conference on Information Systems (AMCIS)**, Chicago, Ill.
5. "An Information Processing Paradigm of IT Innovation Adoption", Yun Wu, Cegielski, C. and D. Hall, 2012 **Southern Association for Information Systems (SAIS) conference**, Atlanta, GA.
Awarded "Best Manuscript" for 2012
6. "Analysis of Preventive Innovation Literature and Theory of Planned Behavior Implications on Successful Diffusion," Overstreet, R., Hall, D., C. Cegielski, **Decision Sciences Institute Annual Conference**, November 2011, San Diego, CA.
7. "Diffusing Green Reverse Logistics: Customer Perception as an Antecedent to Adoption," Hazen, B., Hall, D., C. Cegielski, **Decision Sciences Institute Annual Conference**, November 2011, San Diego, CA

8. Landrum, H. and C. Cegielski, "Early Identification of Technology Leaders in Organizations," **Americas Conference on Information Systems**, San Francisco, CA, August 6-9, 2009.
9. Prince, B., Huett, J., and C. Cegielski, "An Exploration of the Impact of Speech Recognition Technologies on Group Efficiency and Effectiveness," **International Academy of Business and Economics**, Las Vegas, NV, October 19-22, 2008.
10. Rebman, C., Cegielski, C., Booker, Q., and Kitchens, F. "An Exploratory Study on Improving the Online Course Experience," **Western Decision Sciences Institute Conference**, Vancouver, British Columbia, March 22-26, 2005.
11. Lang, T., Hall, D., and C. Cegielski, "Evaluating the Academic Motivation Profile in Business Classes," **Americas Conference on Information Systems**, New York, NY August 6-8, 2004.
12. Rebman, C., Bsat, M., Cegielski, C., and D. Hall, "Reinvestigating the Use of GSS in the Classroom as a Learning Tool," **Western Decision Sciences Institute Conference**, Orlando, FL March 10-14, 2004.
13. Rebman, C., Aiken, M., and C. Cegielski, "A Comparison of GSS Brainwriting Techniques," **Western Decision Sciences Institute Conference**, Kauai, HI April 15-19, 2003.
14. Rebman, C., Cegielski, C., and F. Kitchens, "An Exploratory Study of A Classroom Application of GSS Technology," **Western Decision Sciences Institute Conference**, Kauai, HI April 15-19, 2003.
15. Rebman, C. Aiken, M., Reithel, B. and C. Cegielski, "Assessing Textual Difficulty and Training Times on User Acceptance of Speech Recognition Systems," *34th Annual Meeting of Southwest Decision Science Institute*, Houston, Texas, March 6-8, 2003
16. Bradly, R., Sevil, J., Cegielski, C., and B. Prince, "Is Open Source Software A Diffusible Product?," **Southern Association of Information Systems Conference**, Savannah, GA 2003.
17. Rebman, C., Reithel, B., Cegielski, C., and Kitchens, F. "Improving Comment Quality and Accuracy with a Voice-Based Group Support System" **33rd Annual Meeting of the Decision Sciences Institute**, San Diego, CA November 2002.
18. Rebman, C., Cegielski, C., Johnson, J., and M. Aiken, "Using Neural Networks to Reduce Uncertainty and Understanding Complexity in Financial Markets" *International Production and Operations Management Society Conference*, Sao Paulo, Brazil August 2001.

19. Rebman, C., Aiken, M., Reithel, B., and C. Cegielski, "An Exploratory Study of Speech Recognition Technology and its Implications for Current Electronic Meeting Support Applications," *Association for Information Systems Americas Conference*, Boston, MA August 2001.
20. Cegielski, C., "A Field Study of the Perceptions of End Users of Local Area Networks," *31st Annual Meeting of Southwest Decision Science Institute*, San Antonio, TX, March 2000 - **Winner of Student Paper Award**.
21. Cegielski, C., "The Value of Certification: An Exploratory Study of the End Users of Local Area Networks," *Proceedings of the 27th Annual International Business School Computing Association*, Atlanta, GA July 1999.

Text Books

1. Rainer, R. Prince, B., and C. Cegielski, Introduction to Information Systems 5e, John Wiley
2. Rainer, R. and C. Cegielski, Introduction to Information Systems 4e, John Wiley & Sons, Inc., Hoboken, NJ.
3. Rainer, R. and C. Cegielski, Introduction to Information Systems 3e, John Wiley & Sons, Inc., Hoboken, NJ.

Book Chapters

1. Cegielski, C. and D. Hall, "An Exploration of the Perceived Value of Information Technology Certification between Information Technology and Human Resources Professionals" in the *Encyclopedia of HRIS: Challenges in eHRM*

RESEARCH IN PROGRESS

1. Song, J., Shin, S., Jia, L., Cegielski, C., and K. Rainer, "The Effect of Social Media on Supply Chain Sensing Capability: An Environmental Scanning Perspective," under 2nd round review at *Decision Sciences Journal (Oct 2017)*
2. Cegielski, C., and K. B. Lee, "Competitiveness as a Moderator of End User Intention to Comply with Organizational Information Security Policy" in preparation for submission to *Journal of Information Technology*
3. Cegielski, C., and K. B. Lee, "A Competing Values Perspective of the Relationship Between Organizational Cultural and User Intention to Comply with Organizational Information Security Policy," in preparation for submission to *Journal of Association for Information Systems*
4. Larson, B., Cegielski, C. and D. Hall, "In Systems We Trust: A Systematic Review and Empirical Evaluation of Trust in Data Driven Dashboard," revising for submission to *International Journal of Human-Computer Interactions*

GRANTS AND FUNDING

- Research Grant “A Competing Values Perspective of the Relationship Between Organizational Cultural and User Intention to Comply with Organizational Information Security Policy,” Principal Investigator, Contracted by Harbert College of Business, Auburn University, 2015, Funding: **\$33,319.00**
- Research Grant “Organizational Cultural and End User Intention to Comply with Information Security Policy,” Principal Investigator, Contracted by Harbert College of Business, Auburn University, 2016, Funding: **\$31,141.00**
- Research Grant “An Information Processing Perspective of System Performance of Electronic Supply Chain Management Systems,” Principal Investigator, Contracted by Harbert College of Business, Auburn University, 2015, Funding: **\$30,233.00**
- External Industry Grant “Investigating Cyber-attacks to the Banking Industry.” (2013-2015) Principal Investigator: Robert Norton. Other senior personnel include Greg Weaver, Allison Jones-Farmer, and David Umphress. Contracted by Regions Bank, Inc., Funding: **\$50,000.00**
- Research Grant “Assessing Perceptions of Adherence to Information Security Policy in the Supply Chain Firms: A Multi-Method Investigation,” Principal Investigator, Contracted by Harbert College of Business, Auburn University, 2013, Funding: **\$27,078.00**
- Research Grant “An Information Processing View of the Adoption of Cloud Computing Technologies in Supply Chains,” Principal Investigator, Contracted by Harbert College of Business Auburn University, 2011, funding: **\$11,000.00**
- External Industry Grant “Researching and Developing Information Security and Assurance Strategies in Healthcare,” Principal Investigator, Contracted by Blue Cross & Blue Shield of Alabama, Inc., 2008, Funding: **\$125,000.00**
- External Industry Grant “Information Assurance Curriculum Alliance Project,” Principal Investigator, Auburn University, 2006, Contracted by KPMG LLP, Funding: **\$15,000.00**
- Educational Technology Advisory Council Grant “Building a Flexible Technology Teaching Environment: A Security and Information Assurance Sandbox,” Principal Investigator, Contracted by IMG, Department of Management, and the Harbert College of Business, Auburn University, 2005, Funding: **\$15,000.00**

ACADEMIC SERVICE University

- Library Committee Member, 2003 – 2008
- University Senate Academic Computing Committee Member 2006 – 2009
- University Faculty Senator, 2008 – 2010

- Institutional Research Board Committee Member, 2008
- University Faculty Grievance Committee Member, 2015 - Present

College of Business

- Information Technology Committee Chair, 2011 - 2012
- Information Technology Committee Member, 2002 – 2004
- Alpha Iota Delta Honor Society Faculty Advisor, 2005 – present

Departmental

- Coordinator, Undergraduate MIS Program 2014 – Present
- Director, Undergraduate MIS Internship Program, 2002 –present
- Founder and Director, Information Assurance Minor program, 2006 - present
- Founder, MIS Advisory Board, 2004
- Founder and Director, Professor for a Day Program, 2005 - 2010
- Founder and Co-Director, MIS Doctoral Colloquium, 2002 - 2005

Doctoral Dissertation Committee Participation Chairman

- Suning Zhu – Proposal Defended November 2017
- Ben Larson (Troy University) - Defended Dissertation June 2016
- Fred Weigel (Baylor University) – Defended Dissertation September 2011
- Rodger Morrison (Troy University) - Defended Dissertation October 2008
- Brad Prince (University of West Georgia) - Defended Dissertation March 2006

Committee Member

- Carrie Song – Defend Dissertation July 2017
- Yichun Wang – Defended Proposal November 2015
- Yun Wu – Defended Dissertation July 2015
- LeAnn Tung – Defended Dissertation April 2015
- Jeremy Ezell – Defended Dissertation April 2015
- David Bourrie – Defended Dissertation August 2014
- Justin Bond – Defend Dissertation August 2014
- Yun Wu – Defended Proposal August 2014
- Robert Overstreet – Defended Dissertation August 2012
- Ben Hazen – Defended Dissertation August 2012
- Ben Skipper - Defended Dissertation August 2008
- John Drake – Defended Dissertation May 2008
- Todd Peachy – Defended Dissertation September 2006
- Nikil Meta – Defended Dissertation August 2006
- Jeremy Stafford – Defended Dissertation May 2005
- Teresa Lang – Defended Dissertation August 2004
- Rhonda Syler - Defended Dissertation May 2003

Master's Thesis Committees

- I have served on more than 65 Masters of Science in Management Information Systems thesis committees. For more than 25 of these theses, I was the Committee Chairman.

COURSES TAUGHT

08/00 – Present

Harbert College of Business, Auburn University
Auburn, Alabama

Information Technology and Compliance in Healthcare (MBA)

The course is a detailed field exercise in the fundamentals information technology and compliance in the modern healthcare entity. The course is a required component of Auburn University's Physician's Executive Master of Business Administration (PEMBA) program and is taught every summer semester via distance learning. The topic coverage focuses on the application of technology in the healthcare environment and the corresponding regulation that governs said technology. Students are exposed to the concept of the "extended enterprise," organizational governance, and compliance regulations that are material to the management of information technology. The course requires the student to select a healthcare entity and complete a compliance audit for the "Security Rule" as articulated by HIPAA and the 2013 Omnibus Update.

Big Data I – Introduction to Business Analytics

This course provides coverage of the current practices and applications of business analytics in today's business operating environment. The course focuses on the driving forces of business analytics – known as V3 – volume, velocity, and variety in and among data. Emphasis is placed on the use of enterprise data analytics tools including but not limited to Linux, Hadoop, MapReduce, R, and others.

Information Security and Information Assurance

This course provides coverage of the 10 common areas of information security including detailed discussions of: Information Security Management, Access Control, Enterprise Security Architecture, Application Security, Cryptography, and Business Continuity Planning.

Information Systems Risk Analysis

This course provides coverage of the most common areas of risk analysis in information systems projects. Top-down analysis models are discussed and cases studies are employed to provide to the students an opportunity to engage in risk analysis in context.

Information Systems Auditing

This course uses a case-based approach which examines various systems controls and the best practices for auditing said controls. Coverage focuses on the role of the IT audit as a form of financial statement audit support. Specifically explored are various IT audit processes from both the conceptual and the applied points of view.

Introduction to Management Information Systems

This course provides the student with a fundamental understanding of the technology utilized in the ordinary course of business. The course is divided into 12 modules. Each module addresses a specific IT-Business related issue with an emphasis on the use of technology to support strategic and tactical enterprise function.

Object-Oriented Business Applications Development

This course is an exercise in applying OO concepts in business problem solving. Course topics include the fundamental concepts of object-oriented programming, the basic structure of the JAVA language, the design, implementation and testing of application controls, the development of applets/applications using JAVA API, and database (MySQL) applications using JDBC/ODBC.

Open Source Software in the Small- and Medium-Size Enterprise

The course consists of two sections. The first section explores the phenomenon of Open Source Software (OSS) including a comparison of traditional software development models and OSS development models, the cultural/psychological aspects of OSS, and the current and future business applications of OSS. The second part of the course is a hands-on exercise developing OSS systems to support business objectives. Students utilize Linux OS, MySQL, Apache, Samba, and other OSS technologies to develop networked workstations, database file servers, web servers, and other business support tools.

Rapid Application Prototyping

The course uses Visual Basic as a teaching artifact to illustrate the concepts of system prototyping. Additionally, the technical material covered includes an overview of applied database fundamentals including database design, construction, and analysis, user interface development, and data access using DAO, ADO and ASP, and the implementation of application controls and subsequent testing.

Doctorial Seminar: Reference Disciplines for MIS Systems Research

This course is a doctoral seminar taught from the perspective that management of information systems involves the stewardship of interactions between two organizational assets: information technology and the human resource. The model for many current information systems practices is academic research extracted from reference disciplines such as psychology, sociology, and anthropology. This course 1) presents an overview of the reference disciplines used in information systems research and 2) examines the specific extensions of the reference disciplines in recent management information systems literature.

Systems Analysis and Design

The course introduces the student to system development methodologies, application systems development management, behavioral aspects of the development process, problem needs and feasibility assessment, information requirement determination, logical specification, physical design, and project management skills.

Technology, Operations, and Business (MBA)

The course focuses on the development of an understanding regarding innovation in the ordinary course of business and the impact that technology has on competitive strategy. The course is required of all MBA students enrolled in the Auburn University Masters of Business Administration Program.

Organizational Governance of Technology (MBA)

The course is an overview of the current requirements and implementation of organizational governance in today's extended enterprise. Topics include an overview today's complex business structures, current regulation that impacts organizational governance, and the relationship between governance and information technology.

Introduction to Management

The course is a survey of current topics in management. Coverage includes organizational structures and functional business areas, business process analysis, and the use of technology as a support tool for business.

Statistics for Business and Economics

The course is overview of the fundamentals of statistics. Topics covered include, the 5 number summary, standard normal distribution, linear regression and multiple linear regression, confidence intervals, and hypothesis testing.

08/98 – 08/00

**School of Business, University of Mississippi
University, MS**

Management Information Systems I

The course introduces the student to commonly used business applications (principally office productivity tools, Web tools, and OS) and associated hardware. Practical assignments focus on the use of software applications in the ordinary course of business.

Management Information Systems II

The course provides the student with a fundamental understanding of the technology utilized in the ordinary course of business. The course includes four segments of IT (strategy, design, implementation, and evaluation) with an emphasis on the practical application of technology.

08/97 – 05/98

Massey School of Business, Belmont University
Nashville, Tennessee

Principles of Financial Accounting

The course is an introduction to the concepts of financial accounting. Topics covered include cash and accrual basis accounting, financial statement analysis, and double entry accounting.

Managerial Accounting

The course is an examination of management's internal decision process. Cost-volume-profit relationships, product costing, activity-based costing, profit analysis through standard costs, and transfer pricing issues are covered.

01/95 – 12/95

Culverhouse School of Accountancy, University of Alabama
Tuscaloosa, Alabama.

Accounting Information Systems

The course is an overview of the utilization of information technology in accounting with an emphasis on increasing the decision usefulness of information. Topics covered include data gathering, data storage, and data manipulation.

SELECTED PROFESSIONAL EXPERIENCE

12/11 – Present

Chief Information Security Officer

Heath Information Designs, Inc., Auburn, Alabama

- Designed and implemented comprehensive organizational security management framework including internal audit, compliance and risk assessment for HIPPA, NIST, PCI and ISO standards.

- 08/11 – 2/12** **Project Analyst**
Opelika Power Services, Opelika, Alabama
- Participated in the strategic planning of the “fiber to the home” project for delivery of digital services to more than 30,000 constituents.
- 06/10 – 09/11** **Information Systems Consultant**
The City of Opelika, Opelika, Alabama
- Developed a comprehensive long-term technology strategy to support and facilitate economic growth in a dynamic industry-focused city.
- 09/06 – Present** **Expert Witness**
Various plaintiff and defense firms in the southeastern US
- Analyze, document, and attest on various information technology issues related to legal actions that involve intellectual property rights, privacy rights, due diligence, negligence, and fraud.
- 12/04 – 7/05** **Information Systems Consultant**
Donaldson Inc., Auburn, Alabama
- Developed policies and procedures for and conducted the training of 87 end-users on various components of an information system supporting a large manufacturing environment.
- 6/03 – 8/04** **Enterprise Systems Project Manager**
Great Southern Wood Inc., Abbeville Alabama
- Managed the selection, implementation, and deployment of an ERP system to consolidate business functions across 2 business units (manufacturing & logistics) and 9 physical locations around the Southeastern United States
- 2/01 – 5/01** **Information Systems Consultant**
W.C. Bradley Inc., Columbus, Georgia
- Managed a multi-departmental group of 25 end-users & systems analysts during an object-oriented application design, development, and deployment engagement.
- 5/97 – 7/98** **Information Systems Analyst**
Physicians Community Health Group LLC, Brentwood, Tennessee
- Participated in the design, implementation, and management of an information system for physicianowned HMO accross multiple states in the Southeastern US.
- 12/95 – 12/96** **Auditor**
Kraft, Esstman, Patton, and Harrell, CPA, Nashville, Tennessee
- Conducted financial statement audits.

PROFESSIONAL AFFILIATIONS

Member, *International Information Systems Security Certification Consortium (ISC)*²
Member, *Information Systems Audit and Control Association (ISACA)*
Member, *Association for Information Systems (AIS)* Member,
Decision Sciences Institute (DSI)

PROFESSIONAL SERVICE

Editorial Board Member, *Journal of Information Systems Education*
Track Chair – *AMICS 2006*
Track Chair – *IEEE SECon 2005*
Reviewer, *Decision Sciences Journal*
Reviewer, *International Journal of Logistics Management* Reviewer,
Information & Management
Reviewer, *Journal of Information Technology Theory and Application* Reviewer,
Communications of the ACM
Reviewer, *Decision Sciences Journal of Innovative Education*

AWARDS AND HONORS

Teaching

Baylor University – Cherry Award for Great Teaching, Nominee - 2018
Auburn University – Leischuck Presidential Award for Teaching Excellence - 2013
College of Business - McCartney Teaching Award – 2006
Department of Management - Teacher of the Year – 2006
College of Business - Colonial Company Teaching Award – 2004
Department of Management - Teacher of the Year – 2003
Omicron Kappa Delta Honor Society - Favorite Educator - 2003
Mortar Board National Honor Society - Favorite Educator – 2003
Department of Management - Teacher of the Year – 2002

Research

Decision Sciences Journal of Innovation Education – Best Research Manuscript Award - 2016
Department of Systems and Technology – 2014 Research Award
SAIS Annual Conference – Best Manuscript Award 2012
Decision Sciences Journal of Innovative Education – 2006 Best Research Paper Award
Allied Academies Distinguished Research Award – 2005 Allied Academies Distinguished Research Award – 2003 Allied Academies Distinguished Research Award – 2002

Professional

Woodruff Professorship, Harbert College of Business, 2015
Nominee, Auburn University Alumni Professorship – 2014, 2015
KPMG LLP Advisory Faculty Fellow - 2006