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**Bulletin / Banner Change Transmittal Form**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to curriculum@astate.edu for inclusion in curriculum committee agenda.

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| J.K. Sinclaire | 2/27/2017 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| K. Russell Jones | 3/1/2017 |

**Department Chair:**  |

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**Head of Unit (If applicable)**   |
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| John Seydel | 3/3/2017 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| C. Shane Hunt | 4/14/2017 |

**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (If applicable)**   |

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**Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Jim Washam, jwasham@astate.edu, 870-680-8078

**2.Proposed Change**

Add prerequisites to course descriptions.

**3.Effective Date**

7/1/2017

**4.Justification –** *Please provide details as to why this change is necessary.*

The College of Business is moving from a blanket set of prerequisite courses for all upper level business classes to course specific prerequisites. This change will required adding prerequisites to some individual course descriptions.

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)- New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font). - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)*You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.**Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

(Pages 432-434 of the 2016-2017 Undergraduate Bulletin)

**Computer Information Technology (CIT)**

**CIT 1503. Microcomputer Applications** Students will learn basic computer skills that can be used immediately, throughout college, and beyond. Emphasis on learning basic office applications in word processing, spreadsheets, databases, and presentation graphics. Fall, Spring.

**CIT 2033. Programming Fundamentals** An introduction to Windows programming using Microsoft Visual Studio or a similar integrated development environment. Students learn to write programs using an object oriented programming language and incorporating sequence, selection, and repetition structures. Prerequisite, CIT 1503 or CS 1013. Fall.

**CIT 2413. Word Processing I** Introduction to word processing concepts and applications. Prerequisite, Ability to keyboard. Fall.

**CIT 2523. Telecommunications and Networking Essentials** This course will examine basic networking fundamentals. These include networking media, connectivity, devices, telecommunica­tions protocols, and different networking models. Spring.

**CIT 2543. Keyboarding for Professionals** Covers entry level and advanced level job simu­lations in legal, medical, technical, accounting, and other firms. Prerequisite, Keyboarding I or equivalent. Summer. (ACTS#: BUSI 1103)

**CIT 3013. Management Information Systems** Provides understanding of information needs of management, information technology used by various business subsystems, and how technol­ogy can be utilized for competitive advantage. Prerequisite, CIT 1503 or CS 1013, ACCT 2023 or ACCT 2033, and ECON 2313. Fall, Spring, Summer.

**NOTE: CIT 3013 is a prerequisite or corequisite for ALL upper-level CIT courses.**

**CIT 3033. Intermediate Programming** Continuation of CIT 2033 (Programming Fundamentals). Uses language taught from previous semester in CIT 2033. Emphasis is on array processing, multiple document applications, database interactivity, and programmer-written functions and classes. Prerequisite, C or better in CIT 2033, or permission of instructor. Spring.

**CIT 3353. Mobile and Web Applications Development** Development of web and mobile ap­plications from design to deployment. Includes markup, client-side and server side, stylesheet, and related languages, as well as associated development technologies. Prerequisite, programming course with a grade of C or better. Fall.

**CIT 3403. Database Management** Enterprise-wide database theory and SQL with the use of industry standard DBMS, such as MySQL, Oracle, or SQL Server. Fall.

**CIT 3413. Advanced Database Management** Extends the coverage of CIT 3403 using a popular DBMS. Topics include client applications, object oriented database development, and data security. Prerequisite, C or better in CIT 3403. Spring.

**CIT 3523. Operations Management** Introduction to the operations function in manufacturing and services. Emphasis on continual improvement of systems for producing goods and services. Prerequisite, CIT 1503, ACCT 2023 or 2033, and STAT 3233. Fall, Spring, Summer.

**CIT 3533. Microcomputer Applications II** Continuation of CIT 1503 to cover topics in the area of operating systems, word processors, spreadsheets, presentation techniques, and PC databases. Prerequisite, CIT 1503 or CS 1013. Fall.

**CIT 3603. Systems Analysis and Design** Covers the basic techniques used in the analysis, design, and implementation of computer based information systems. Provides overview of the systems development life cycle, systems documentation and program specifications, data gathering and information reporting activities, transition from analysis to design. Corequisite, CIT 3403. Fall.

**CIT 3623. LAN Administration** Covers topics pertinent to the administration of a local area network. Topics include, user management, file management, security, and network printing. Pre­requisite, Computer literacy. Fall.

**CIT 3663. Data Mining** Theory and practice of knowledge discovery in databases (KDD) with emphasis on predictive modeling and model evaluation using computer software such as SAS to perform data mining. Prerequisite ~~ECON 2113~~ STAT 3233 or approval of instructor. Fall, odd.

**CIT 3853. Computer Forensics** Students are introduced to information systems role in forensic computing. Emphasis will be on the retrieval, preservation, and analysis of computer data which might be used in legal cases. Suggest previous criminology courses or experience for FOSC majors before enrolling. Prerequisite, CIT 1503 or CS 1013. Fall.

**CIT 409V. Special Problems in Computer Information Technology** Individual problems in CIT arranged on a case by case basis after consultation with the instructor. Student must meet departmental requirements before enrolling in this course. Fall, Spring, Summer.

**CIT 4453. Global E-Commerce** Provides an understanding of the technologies behind E-commerce and how they enable the delivery of goods and services using electronic formats in a global context. Spring.

**CIT 4503. Business Technology Methods** The present status and software usage of busi­ness technology personnel. Special attention is given to instructional innovations. Intended for BSE majors. Fall.

**CIT 4513 Business Technology Field Experience** Provides business technology teachers, under direct supervision, the opportunity to develop and refine vocational competencies in office occupation. Special course fees may apply. Summer.

**CIT 4523. Advanced Network Telecommunications** This course builds on the fun­damental concepts covered in CIT 2523 by extensive coverage of major topics that include routing protocols, wireless LAN infrastructure, internetworking hardware, TCP/IP subnetting, VLANs, and network security. Prerequisite, CIT 2523. Fall.

**CIT 4533. Word Processing II** Advanced word processing concepts and applications. Pre­requisite, CIT 2413 or consent of instructor. Spring, Demand.

**CIT 4603. Microcomputer Applications III** Course three of the study of the role of a software suite as a tool used in business. The applications covered will included, Word Processing, Spread­sheet, Database, and electronic presentations. Prerequisite, ~~CIT 3503 and~~ CIT 3533. Spring.

**CIT 4623. Computer Security** Discusses the primary topics of computer security needed by IT professionals in both commercial and military installations. Includes access control, cryptography, continuity planning, physical security, and the overall management of security issues. Spring.

**CIT 4653. Automatic Data Capture** Methods, technologies, systems, and standards used in supply chain information systems and e-business for automatically identifying objects, and collect­ing and transferring data. Technologies such as bar coding, RFID, smart cards, magnetic striping, biometrics, GPS, real time locating, and voice data entry, as well as their business applications are addressed. Prerequisites, CIT 2033 and CIT 2523. Corequisite, CIT 3603. Fall.

**CIT 4853. IT Project Management** Provides students with the information needed to manage a technical project within a business environment. Students will work a project simulation through the project management cycle from project team selection to project implementation. Taken during last semester or with permission of instructor. Spring.

**CIT 4863. Current Topics in CIT** The content of this course will be based upon current issues within the business world as they relate to the use of computer and information technology. Pre­requisites, minimum of 60 hours and CIT 3013. Demand.

**CIT 488V. Internship in CIT** Provides practical information technology experience in a CIT setting. Students will be assigned to work with an outside organization to gain real world training. Prerequisite, Permission of Department Chair and Internship Director required. Fall, Spring, Sum­mer