LINDENWOOD

LINDENWOOD UNIVERSITY   ST. CHARLES, MISSOURI

Addendum to the 2014/2015 LCIE Catalog

Published September 2014

Addition to page 10 is shown below:

Inclement Weather

Should weather conditions create potentially hazardous conditions, Lindenwood University (LU) will evaluate the situation and take into consideration the safety of the faculty, staff and students as well as the services that must be provided despite the inclement weather. After this careful evaluation and depending on the hazardous weather conditions (e.g., tornado, snow/ice, etc.), an alert will be sent to applicable students, faculty, and staff via the Rave system via text message, lionmail, Facebook, and Twitter as necessary. This alert will detail the appropriate action required of faculty, staff and students as well as campus operations and services that must be provided despite the occurrence of inclement weather.

In the unlikely event that LU alters the normal work and/or class schedule, an announcement will be posted on the university's home page (lindenwood.edu). An announcement will also be distributed via lionmail, Rave system, Facebook, Twitter and local media stations or whatever is deemed most appropriate for the weather conditions.

Separate announcements may be made regarding evening classes (defined as those classes starting at or occurring after 4 pm).

A revision to page 15 is indicated below in red:

Graduation Requirements

To receive a master's degree from LCIE, students have two educational alternatives depending on the major. Students must meet either of the following requirements:

1. Complete a 45-hour degree program that includes four 9-semester hour clusters, three semester hours of research methods, and a six semester-hour directed thesis/ culminating project.

   Or

2. Complete a 48-hour degree program that typically includes five, nine credit hour clusters and a three credit hour capstone course.

In addition, all students must meet the following requirements:

1. Have a cumulative grade point average of at least 3.0 overall and in the courses required for the degree to graduate from LCIE.

2. Complete the objectives set forth in the program overview.

3. Demonstrate graduate level writing and speaking as evaluated by the faculty advisor and instructor each term.

4. Complete all practicum, apprenticeship, and residency requirements connected with the degree program, as specified by the program overview.

A revision to page 26 is indicated below in red:

Maintaining Financial Aid Eligibility

Satisfactory Academic Progress for Financial Aid

Undergraduate Students

In order to maintain eligibility for financial aid, students must maintain satisfactory academic progress, which requires a student to earn a minimum number of credit hours over a maximum number of enrollment periods and achieve a minimum cumulative grade point average for each period of attendance. The cumulative requirements are outlined below.

Full time Undergraduate Satisfactory Academic Progress

Academic Semesters Attempted	Minimum Earned Credit Hours	Cumulative GPA
1	8	1.7
2	16	1.8
3	26	1.9
4	36	2.0
5	46	2.0
6	57	2.0
7	68	2.0
8	80	2.0
9	92	2.0
10	104	2.0
11	116	2.0
12	128	2.0

To be considered a full-time student at the undergraduate level, a quarter student must be enrolled in 9 credit hours of coursework. At the end of each term of enrollment, students must successfully complete a minimum number of credit hours toward graduation. The table below indicates the minimum number of credit hours that must be completed for a student to demonstrate satisfactory progress.

Academic Terms attempted	Minimum credit hours earned	Cumulative GPA
1	3	1.3
2	6	1.4
3	12	1.5
4	18	1.6
5	24	1.7
6	30	1.8
7	36	1.9
8	42	2.0

For each full-time quarter term after 8, a student must complete a minimum of 6 credit hours each term and maintain a cumulative GPA of 2.0 not to exceed a maximum of 23 full-time terms. Before each payment

period, the student's academic record will be checked for satisfactory academic progress. Failure to maintain minimum academic progress will result in a student being ineligible to receive Title IV financial assistance following one term of Financial Aid Warning.

Part-time Undergraduate Satisfactory Academic Progress

Part-time undergraduate students must successfully complete at least 50 percent of their attempted credit hours and be in good academic standing at the point in the program that is consistent with the requirement for graduation outlined above.

Graduate Students

Satisfactory Academic Progress Minimum Requirements for Graduate Students

Academic Years Completed	Minimum Credit Hours Earned	Cumulative GPA
1	12	<18 cr hrs 2.66
2	27	19-27 cr hrs 2.75
3	39	28-33 cr hrs 2.80
4	48	>34 cr hrs 3.00

Academic Terms attempted	Minimum credit hours earned	Cumulative GPA
1	6	2.66
2	12	2.66
3	20	2.75
4	27	2.75
5	33	2.80
6	39	3.00
7	44	3.00
8	48	3.00

Revisions to page 28 are indicated in red:

Online Courses

In an online course, all instruction is delivered using an online learning management system, with no time spent in a physical classroom. However, students enrolled in online classes are expected to participate in the class academically. Attendance for this method of instruction is defined as submitting academic assignments, taking exams, and participating in online discussions about academic matters, or initiating contact with faculty members to ask questions about the academic content of the course. Simply logging into an online class without active participation does not constitute academic attendance.

Note that some online courses may meet for an introductory and/or summary meeting; however, these meetings are not mandatory.

Hybrid Courses

A hybrid course is a method of instruction in which 75% or more of the course is taught using a learning management system platform. Time in the classroom is reduced but not eliminated.

Semi-Hybrid Course

A semi-hybrid course is a method of instruction in which less than 75% of the course is taught using a learning management system platform. Time in the classroom is reduced but not eliminated.

Revisions to pages 38-39 are indicated in red:

GENERAL EDUCATION REQUIREMENTS

Lindenwood University offers both bachelor of arts and bachelor of science degrees, depending on the major selected. The BA and the BS differ in three areas of the general education requirements: natural science, mathematics, and cross cultural. The notes following the descriptions of these clusters explain that difference. All other general education requirements and clusters remain the same for both the BA and the BS degrees. LCIE clusters, transfer credits, or CLEP (College Level Examination Program) credit may be used to fulfill general education requirements. The following clusters will satisfy these requirements.

Note: A placement test is required to enroll in the Communications cluster. Students who do not pass the placement test must enroll in ICM 05000 Foundations of Effective Writing (3).

IV. Math Cluster

IMH 13200	Quantitative Management Applications
IMH 14200	Basic Statistics
IMH 22000	Research Design and Methodology

Notes: (1) Requires either passing the Math Placement exam with a score of 80% or better, or completion of IMH 05100 with a grade of "C" or better.

(2) The general education mathematics requirement for the BA degree is for one course at the level of MTH 12100 or higher. The BS degree requires two courses at the level of MTH 1210 0 or higher.

Some majors have special requirements as noted in the description of those majors. All business administration, human resource management, and health management majors must take statistics, even if they have transferred in more than one course at the MTH 12100 or above level. The Math/Statistics Cluster satisfies the general education requirements for all majors

Revisions to pages 44-47 are indicated in red:

INFORMATION TECHNOLOGY, BS

The LCIE Bachelor of Science in Information Technology provides a wide range of courses for students

interested in careers in the field of information technology. Classes are taught by experienced professionals in the various areas. The LCIE general education requirements of the university must be met by each student. The BS in information technology requires 57-semester hours of credit in the major beyond the general education requirements. The student will work with a faculty advisor to determine an appropriate sequence of courses from the following lists of nine credit hour clusters and individual three semester hour courses.

Requirements

Foundations in Information Technology Cluster

IIT 21100	The Information Technology Professional
IIT 21200	Database Basics
IIT 21400	Introduction to Networks

Prerequisites: IMH 13200, IMH 14200, IMH 22000

Project Management Cluster

IIT 33100	Project Cost and Schedule Estimating
IIT 43200	Project Management Process
IIT 43300	Cost and Scheduling Applications

Recommended as last cluster.

Prerequisites: IMH 13200, IMH 14200, IMH 22000, IIT 21100, IIT 21200, IIT 21400

Elective Clusters (Choose Four)

Networking Cluster

IIT 32100	Networking Essentials
IIT 32200	Network Applications
IIT 32300	Network Implementation-A Case Study & Simulation

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience.

Advanced Networking Cluster

IIT 42100	General Network Administration
IIT 42200	Network Application-Client Server
IIT 42300	Problem Solving-Network Applications

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Cybercrime Cluster

ICJ 35100	Investigating Cybercrime
ICJ 35200	Digital Evidence
ICJ 35300	Case Studies in Cybercrime

Prerequisite: 27 credit hours in IIT

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Cyber Security Cluster

IIT 33200	Fundamentals of Cyber Security
IIT 33300	Secure Social Interaction in a Digital World
IIT 33400	Ethical Issues in Cyber Security

Prerequisites: IIT 21100, IIT 21200, IIT 21400

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Digital Forensics Cluster

IIT 43500	Computer Forensics and Ethical Hacking
IIT 43600	Security Analysis and Penetration Testing
IIT 43700	Report Writing for Security Analysts

Prerequisites: IIT 33200, IIT 33300, IIT 33400.

Virtualization Cluster – Fundamentals

IIT 36600	Fundamentals of Data Center Virtualization (3)
IIT 36700	Fundamentals of Cloud Computing
IIT 36800	Fundamentals of Desktop and Mobility Virtualization

Prerequisites: IIT 32100, IIT 32200, IIT 32300.

Virtualization Cluster – Administration

IIT 42400	Data Center Virtualization Administration
IIT 42500	Cloud Computing Administration
IIT 42600	Desktop and Mobility Virtualization Administration

Prerequisites: IIT 36600, IIT 36700, IIT 36800.

Virtualization Cluster – Design

IIT 42700	Data Center Virtualization Design
IIT 42800	Cloud Computing Design
IIT 42900	Desktop and Mobility Virtualization Design

Prerequisites: IIT 42400, IIT 42500, IIT 42600.

Web Design Cluster

IIT 37700	Fundamentals of HTML
IIT 37800	Applications in Web Development
IIT 37900	Applications in Website Publishing

Prerequisites: IIT 21100, IIT 21200, IIT 21400 equivalent experience.

Advanced Web Design Cluster

IIT 47700	Fundamentals of User Interface Design
IIT 47800	Object-Oriented Web Development
IIT 47900	Multi-Tiered Web Programming

Prerequisites: ~~IIT 21100, IIT 21200, IIT 21400,~~ IIT 37700, IIT 37800, IIT 37900 or equivalent experience.

Database Analysis and Design Cluster

IIT 35100	Database Analysis and Design Concepts
IIT 45200	Database Application Implementation
IIT 45300	Database Project Implementation

Prerequisites: IIT 21100, IIT 21200, IIT 21400

~~*Desktop Publishing Cluster*~~

~~ICM 30900~~	~~Desktop Publishing in the Workplace~~
~~ICM 44500~~	~~Information Systems Projects~~
~~ICM 46300~~	~~Computer Based Graphics~~

~~*Operating Systems Cluster*~~

~~IIT 31100~~	~~Operating System Concepts~~
~~IIT 31200~~	~~Practical Operating System Skills~~
~~IIT 31300~~	~~Operating System Evaluation~~

Capstone

IIT 48900	Information Technology Capstone

Prerequisite: Completion of 54 credit hours in major or permission of the program director.

Elective Three Credit Hour Courses

The following courses may be incorporated into the undergraduate information technology degree. They are taught as individual courses but are offered in the quarter term. Course descriptions are located under the information technology major in this catalog.

~~IIT 34010~~	~~Visual Basic.NET Programming~~
IIT 34020	Mobile Applications Programming
IIT 34030	Java Programming
IIT 34040	C++ Programming
IIT 34050	~~Introduction to~~ C# Programming
IIT 34400	~~Introduction to~~ Linux Programming
~~IIT 44020~~	~~Information System Analysis & Design~~
IIT 49200-49600	Special Topics in Information Technology

~~An emphasis is not required. However, a student majoring in information technology might choose clusters or combinations of clusters and three hour courses from the following emphases areas.~~

~~**NETWORKING/CYBER SECURITY EMPHASIS**~~

~~*Networking Cluster*~~

~~IIT 32100~~	~~Networking Essentials~~
~~IIT 32200~~	~~Network Applications~~
~~IIT 32300~~	~~Network Implementation-A Case Study & Simulation~~

~~Prerequisites: IIT 21100, IIT 21200, IIT 21400~~

~~*Cyber Security Cluster*~~

~~IIT 33200~~	~~Fundamentals of Cyber Security~~
~~IIT 33300~~	~~Secure Social Interaction in a Digital World~~
~~IIT 33400~~	~~Ethical Issues in Cyber Security~~

~~Prerequisite: IIT 21100, IIT 21200, IIT 21400~~

~~*Advanced Networking Cluster*~~

~~IIT 42100~~	~~General Network Administration~~
~~IIT 42200~~	~~Network Application-Client Server~~
~~IIT 42300~~	~~Problem Solving-Network Applications~~

~~Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience~~

~~*Cybercrime Cluster*~~

~~ICJ 35100~~	~~Investigating Cybercrime~~
~~ICJ 35200~~	~~Digital Evidence~~
~~ICJ 35300~~	~~Case Studies in Cybercrime~~

~~Prerequisites: 27 credit hours in IIT~~

~~**PROGRAMMING/DATABASE EMPHASIS**~~

~~*Web Design Cluster*~~

~~IIT 37700~~	~~Fundamentals of HTML~~
~~IIT 37800~~	~~Applications in Web Development~~
~~IIT 37900~~	~~Applications in Website Publishing~~

~~*Advanced Web Design Cluster*~~

~~IIT 47700~~	~~Fundamentals of User Interface Design~~
~~IIT 47800~~	~~Object-Oriented Web Development~~
~~IIT 47900~~	~~Multi-Tiered Web Programming~~

~~Prerequisites: IIT 21100, IIT 21200, IIT 21400, IIT 37700, IIT 37800, IIT 37900 or equivalent experience~~

~~*Database Analysis and Design Cluster*~~

~~IIT 35100~~	~~Database Analysis and Design Concepts~~
~~IIT 45200~~	~~Database Application Implementation~~
~~IIT 45300~~	~~Database Project Implementation~~

~~Prerequisites: IIT 21100, IIT 21200, IIT 21400~~

~~The three credit hour courses that may be added to the Programming/Database Emphasis requirements include:~~

~~IIT 34010~~	~~Visual Basic.NET Programming~~
~~IIT 34030~~	~~Java Programming~~
~~IIT 34050~~	~~Introduction to C# Programming~~
~~IIT 34400~~	~~Introduction to Linux Programming~~
~~IIT 44020~~	~~Information System Analysis & Design~~
~~IIT 49200-49600~~	~~Special Topics in Information Technology~~

~~**MULTIMEDIA EMPHASIS**~~

~~*Web Design Cluster*~~
~~IIT 37700~~	~~Fundamentals of HTML~~
~~IIT 37800~~	~~Applications in Web Development~~
~~IIT 37900~~	~~Applications in Website Publishing~~

~~*Advanced Web Design Cluster*~~
~~IIT 47700~~	~~Fundamentals of User Interface Design~~
~~IIT 47800~~	~~Object-Oriented Web Development~~
~~IIT 47900~~	~~Multi-Tiered Web Programming~~

~~Prerequisites: IIT 21100, IIT 21200, IIT 21400, IIT 37700, IIT 37800, IIT 37900 or equivalent experience~~

~~*Desktop Publishing Cluster*~~
~~ICM 30900~~	~~Desktop Publishing in the Workplace~~
~~ICM 44500~~	~~Information Systems Projects~~
~~ICM 46300~~	~~Computer Based Graphics~~

~~*Operating Systems Cluster*~~
~~IIT 31100~~	~~Operating System Concepts~~
~~IIT 31200~~	~~Practical Operating System Skills~~
~~IIT 31300~~	~~Operating System Evaluation~~

~~The three credit hour courses that will satisfy part of the Multimedia Emphasis requirements include:~~
~~IIT 49200- 49600~~	~~Special Topics in Information Technology~~
~~COM 30500~~	~~Desktop Publishing~~
~~COM 33400~~	~~Web Design~~
~~COM 33600~~	~~3D Graphics~~
~~COM 42400~~	~~Applications for Mobile Devices~~
~~COM 44300~~	~~Interactive Web Development~~

~~Prerequisites: IIT 21100, IIT 21200, IIT 21400~~

INFORMATION TECHNOLOGY POST-BACHELOR'S CERTIFICATE

The post-bachelor's certificate in information technology is intended for individuals who already have a bachelor's degree in a non-IT related major and who feel that they need skills in information technology. The certificate is a professional program offered through the Lindenwood College for Individualized Education (LCIE.) Most courses are offered in the cluster format characteristic of LCIE. The certificate requires 57 semester hours of coursework. These hours consist of 18 hours of core curriculum, 36 hours of electives, and a 3 hour capstone course. Up to nine hours of this coursework can be obtained through experiential learning, exclusive of the capstone course, by those students having designated professional certifications or experience. The student will work with a faculty advisor to determine an individualized overview and curriculum.

Core Curriculum

Foundations in Information Technology Cluster
IIT 21100	The Information Technology Professional
IIT 21200	Database Basics
IIT 21400	Introduction to Networks

Project Management Cluster
IIT 33100	Project Cost and Schedule Estimating
IIT 43200	Project Management Process
IIT 43300	Cost and Scheduling Applications

Recommended as last cluster.

Elective Clusters (Choose 4)

~~*Desktop Publishing Cluster*~~
~~ICM 30900~~	~~Desktop Publishing in the Workplace~~
~~ICM 44500~~	~~Information Systems Projects~~
~~ICM 46300~~	~~Computer Based Graphics~~

~~Prerequisite: IIT 21100, IIT 21200, IIT 21400~~

~~*Operating Systems Cluster*~~
~~IIT 31100~~	~~Operating System Concepts~~
~~IIT 31200~~	~~Practical Operating System Skills~~
~~IIT 31300~~	~~Operating System Evaluation~~

Networking Cluster
IIT 32100	Networking Essentials
IIT 32200	Network Applications
IIT 32300	Network Implementation-A Case Study & Simulation

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience.

Advanced Networking Cluster
IIT 42100	General Network Administration
IIT 42200	Network Application-Client Server
IIT 42300	Problem Solving-Network Applications

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience

Cybercrime Cluster
ICJ 35100	Investigating Cybercrime
ICJ 35200	Digital Evidence
ICJ 35300	Case Studies in Cybercrime

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience

Cyber Security Cluster
IIT 33200	Fundamentals of Cyber Security
IIT 33300	Secure Social Interaction in a Digital World
IIT 33400	Ethical Issues in Cyber Security

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Revisions to page 71 are indicated in red:

MANAGING INFORMATION TECHNOLOGY, MS

48 credit hours

The Master of Science in Managing Information Technology will accept students who have undergraduate degrees in information technology, computer science, computer information systems, management information systems, the Post Bachelor's Certificate in Information Technology, or equivalent work experience or professional certifications to be determined by Lindenwood University. It serves students by providing them with the background necessary to become effective IT managers.

~~**CORE CURRICULUM**~~

Core Curriculum

Graduate Project Management Cluster

IIT 53100   Scheduling, Cost Control and Estimating Models
IIT 53200   Implementing a Management Control System
IIT 53300   System Approach to Software Management

Graduate Managerial System Integration Cluster

IIT 54100   Database Integration and Management
IIT 54200   New Technology Integration
IIT 54300   Enterprise Resource Planning (ERP)

Graduate Management Cluster

IBA 54000   Management & Administrative Theory
IBA 54100   Organizational Behavior
IBA 54300   Personnel Management and Labor Relations

Electives (Choose 2)

Graduate Data Forensics and the Law Cluster

IIT 52100   Information Technology Law and Ethics
IIT 52200   Data Forensics and Evidence Collection
IIT 52300   Courtroom Testimony and Presentation for IT Managers

Graduate Information Security Management Cluster

IIT 52500   Network and Data Center Security
IIT 52600   Current Issues in Information Technology
IIT 52700   Security Project

Graduate Data Acquisition and Management Cluster

IIT 55100   Data Warehousing and Mining
IIT 55200   Data Warehousing Systems Management
IIT 55300   Extract, Transform & Load (ETL)

Graduate Virtualization Architecture Management Cluster

IIT 55500   Data Center and Cloud Architecture
IIT 55600   Applications and Services Best Practices
IIT 55700   Virtualization Project

Capstone

IIT 60100   Information Technology Capstone

Additions to page 62 are shown below:

IIT 10000 Computer Literacy (3) This course will introduce students to basic computer terminology and computer usage. Topics will include discussion of computer hardware and software components, user functions, file storage and organization, application usage, the Internet, and information security. This course requires lab time outside of class meeting times.

IIT 34020 – Mobile Applications Programming (3) This is an introductory hands-on course focused on the creation of web applications for deployment on multiple platforms such as personal computers, tablets, and smartphones. Topics will include connectivity, interface design, application architectures, and programming. Students will gain skills necessary to develop applications that utilize the unique hardware and communication capabilities of a variety of devices. This course is project based and will likely require extensive time commitment outside of class time. Lab fee required. Offered: Intermittently.

IIT 34040 C++ Programming (3) This course is designed to provide working knowledge of object oriented programming using C++. Students will learn the basic concepts of object-oriented programming (OOP) and object oriented software design. The fundamental control structures of C and C++ will be presented. Students will also learn to build objects using classes, define operations on objects, and use predefined classes in C++.

IIT 34050 - C# Programming (3) This course is designed to provide working knowledge of object oriented programming using C++. Students will learn the basic concepts of object-oriented programming (OOP) and object oriented software design. The fundamental control structures of C and C++ will be presented. Students will also learn to build objects using classes, define operations on objects, and use predefined classes in C++. Lab fee required. Offered: Intermittently.

Revisions to pages 71-73 are indicated in red:

WRITING, MFA

48 credit hours

Graduate Studies in Fiction Cluster

IMF 51600-51699	Fiction Genres
IMF 54000	Advanced Studies in Fiction
IMF 57900	Advanced Studies in Film

Graduate Prose Cluster

IMF 52200-52299	Focused Fiction Workshop
IMF 52300-52399	Focused Nonfiction Workshop
IMF 55600-55699	The Prose Collection

Graduate Poetry Cluster

IMF 52500	Poetry Writing Workshop
IMF 52600	The Craft of Poetry: Prosody and Language
IMF 52700-52799	Selected Emphases in Poetry

Graduate Confessional Poetry Cluster

IMF 51700-51799	Poetry Genres
IMF 52100-52199	Focused Poetry Workshop
IMF 53300	Advanced Focused Nonfiction Workshop

Graduate Journal Editing Cluster

IMF 55700-55799	The Literary Journal
IMF 55800	Advanced Studies in Prose
IMF 56000	Advanced Studies in Literary Journal

WRITING, MFA - ONLINE OPTION

48 credit hours

Online Fiction courses

IMF 51600-51699	Fiction Genres
IMF 52200-52299	Focused Fiction Workshop
IMF 53700-53799	Selected Emphases in Fiction

Online Poetry courses

IMF 51700	Poetry Genres
IMF 52100-52199	Focused Poetry Workshop
IMF 52700-52799	Selected Emphases in Poetry

Online Creative Nonfiction courses

| IMF 55600-55699 | The Prose Collection |

Additional Online courses

| IMF 55700-55799 | The Literary Journal |

Revisions to pages 84-89 are indicated in red:

Graduate Fiction Cluster

IMF 53500 - Fiction Writing Workshop (3)
This course will serve as a discussion of original short fiction with a focus on thematic purpose and the creative process. Students simultaneously increase their proficiency as fiction writers and deepen their critical responses to the work of peers. Offered: online, intermittently.

IMF 53600 - Fundamentals of Contemporary Fiction (3)
This course is an exploration of the machinery of the short story and the novel, including narrative arc, theme, character, style, and point of view. Readings and discussions focus on the way each component is employed in both short and long fiction. Offered: online, intermittently.

IMF 53700-53799 - Selected Emphases in Fiction (3)
This course is a study of major fiction writers and their historical and cultural connection to literature. Emphases may vary from term to term. Offered: online, intermittently.

Graduate Studies in Fiction Cluster

IMF 51600-51699 - Fiction Genres (3)
This course includes readings in short fiction by major authors working in modes ranging from realistic to abstract. Introduces aesthetic and strategic concepts with a focus on narrative, theme, character, and style. Offered: St. Charles location, intermittently.

IMF 54000 - Advanced Studies in Fiction (3)
This course offers further study of major fiction writers and their historical and cultural connection to literature. Emphases may vary from term to term. Offered: St. Charles location, intermittently.

IMF 57900 - Advanced Studies in Film (3)
This course offers further study of dramatic development in scriptwriting and film, including important narrative elements such as suspense, confrontation, and resolution. Offered: St. Charles location, intermittently.

Graduate Prose Cluster

IMF 52200-52299 - Focused Fiction Workshop (3)
This course is an intensive fiction writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Workshop pieces will be submitted in professional format for literary short fiction. Offered: St. Charles location, intermittently.

IMF 52300 - Focused Nonfiction Workshop (3)
This course is an intensive nonfiction writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Workshop pieces will be submitted in professional format for creative nonfiction and journalistic pieces. Offered: St. Charles location, intermittently.

IMF 55600-55699 - The Prose Collection (3)
This course is a study and analysis of single author collections in fiction and/or creative nonfiction. Emphasis is given to the ways in which individual stories and essays make up a body of work. Offered: online, intermittently.

Graduate Confessional Poetry Cluster

IMF 51700-51799 - Poetry Genres (3)
Readings in poetry ranging from antiquity to present, with attention to changing forms, styles, and subjects as connected to the cultural experience. Offered: St. Charles location, intermittently.

IMF 52100-52199 - Focused Poetry Workshop (3)
This course is an intensive poetry writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Offered: online, intermittently.

IMF 53300 - Advanced Focused Nonfiction Workshop (3)
This course is intended for students who are at an advanced stage in their writing development; it is an intensive nonfiction writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Offered: online, intermittently.

Graduate Journal Editing Cluster

IMF 55700-55799 - The Literary Journal (3)
This course is an overview of literary journal publication, from the submission process as a writer to the production of a journal as an editor. Students examine a variety of literary journals, and some focus is given to evaluation of what makes a poem, story, or essay "publishable." Offered: online, intermittently.

IMF 55800 - Advanced Studies in Prose (3)
This course offers further discussion of original prose, in which students concentrate on a chosen specialty (fiction or creative nonfiction.) Students pay particular attention to elements that exist in both genres, as well as the application of factual and fictional information in prose. Offered: St. Charles location, intermittently.

IMF 56000 - Advanced Studies in Literary Journal (3)
This course is an advanced overview of literary journal publication, from the submission process as a writer to the production of a journal as an editor. Students examine a variety of literary journals, and some focus is given to evaluation of what makes a poem, story, or essay "publishable." Offered: St. Charles location, intermittently.

Online MFA Course Descriptions

IMF 51600-51699 - Fiction Genres (3)
This course includes readings in short fiction by major authors working in modes ranging from realistic to abstract. Introduces aesthetic and strategic concepts with a focus on narrative, theme, character, and style. Offered: St. Charles location, intermittently.

IMF 51700-51799 - Poetry Genres (3)
Readings in poetry ranging from antiquity to present, with attention to changing forms, styles, and subjects as connected to the cultural experience. Offered: St. Charles location, intermittently.

IMF 52100-52199 - Focused Poetry Workshop (3)
This course is an intensive poetry writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Offered: online, intermittently.

IMF 52200-52299 - Focused Fiction Workshop (3)
This course is an intensive fiction writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision.

Workshop pieces will be submitted in professional format for literary short fiction. Offered: St. Charles location, intermittently.

IMF 52300-52399 - Focused Nonfiction Workshop (3)
This course is an intensive nonfiction writing workshop in which each student will produce several pieces of original work and submit them to the class for analysis, close reading, line editing, discussion of theme and content, and suggestions for revision. Workshop pieces will be submitted in professional format for creative nonfiction and journalistic pieces. Offered: St. Charles location, intermittently.

IMF 52700-52799 - Selected Emphases in Poetry (3)
This course is a study of major poets and poetry schools, with attention to evolution of craft and the influence of historical and cultural experience. Emphases may vary from term to term. Offered: online, intermittently.

IMF 53700-53799 - Selected Emphases in Fiction (3)
This course is a study of major fiction writers and their historical and cultural connection to literature. Emphases may vary from term to term. Offered: online, intermittently.

IMF 55600-55699 - The Prose Collection (3)
This course is a study and analysis of single author collections in fiction and/or creative nonfiction. Emphasis is given to the ways in which individual stories and essays make up a body of work. Offered: online, intermittently.

IMF 55700-55799 - The Literary Journal (3)
This course is an overview of literary journal publication, from the submission process as a writer to the production of a journal as an editor. Students examine a variety of literary journals, and some focus is given to evaluation of what makes a poem, story, or essay "publishable." Offered: online, intermittently.

Additions to page 89 are shown below:

IMF 54300-54399 Genre Fiction as Literature (3) This literature course focuses on the study and analysis of genre fiction. Emphases studied may include Children's Literature, Young Adult Literature, Romance, Mystery, and Science Fiction/Fantasy. Study will include novels by authors using literary writing techniques and working in modes ranging from realistic to abstract. Introduces aesthetic and strategic concepts with a focus on narrative, theme, character, and style.

IMF 54400-54499 Genre Fiction Workshop (3) This craft and workshop course focuses on creation and discussion of original genre fiction with a focus on thematic purpose and the creative process. Workshop pieces may include Children's Literature, Young Adult Literature, Romance, Mystery, and Science Fiction/Fantasy. Students simultaneously increase their proficiency as fiction writers and deepen their critical responses to the work of peers.

IMF 57300-57399 The Literary Novel (3) This literature course explores the machinery of the literary novel, including narrative arc, theme, character, style, and point of view. Critical discussion and study will include focus on the way each component is employed in long fiction.

Students will analyze works from both a literary analysis perspective and a writer's perspective.

IMF 57400-57499 Literary Novel Workshop (3) This craft and workshop course focuses on creation and discussion of original long fiction with a focus on thematic purpose and the creative process. Students simultaneously increase their proficiency as fiction writers and deepen their critical responses to the work of peers. Workshop sessions will focus on individual novel chapters, as students work toward completing and polishing a full literary novel.

The following new degree programs have been deleted from offering beginning in 2014/15:

BS in Information Technology with an emphasis in Networking/Cyber Security

BS in Information Technology with an emphasis in Business Systems Development

The following new undergraduate degree programs have been approved in 2014/15:

BUSINESS SYSTEMS DEVELOPMENT, BS

The Bachelor of Science in Business Systems Development provides a wide range of courses for students interested in careers as computer systems analysts. Computer systems analysts study an organization's current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both. Classes are taught by experienced professionals in the various areas. The LCIE general education requirements of the university must be met by each student. The Bachelor of Science in Business Systems Development requires 57-semester hours of credit in the major beyond the general education requirements. The student will work with a faculty advisor to determine an appropriate sequence of courses from the following lists of nine credit hour clusters and individual three semester hour courses.

Required

Foundations in Information Technology Cluster

IIT 21100	The Information Technology Professional
IIT 21200	Database Basics
IIT 21400	Introduction to Networks

Web Design Cluster

IIT 37700	Fundamentals of HTML
IIT 37800	Applications in Web Development
IIT 37900	Applications in Website Publishing

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience.

Advanced Web Design Cluster

IIT 47700	Fundamentals of User Interface Design
	Object-Oriented Web Development
IIT 47800	
IIT 47900	Multi-Tiered Web Programming

Prerequisites: IIT 37700, IIT 37800, IIT 37900 or equivalent experience.

Database Analysis and Design Cluster

IIT 35100	Database Analysis and Design Concepts
IIT 45200	Database Application Implementation
IIT 45300	Database Project Implementation

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience.

Language Courses

Select three from the following options:

IIT 34020	Mobile Applications Programming
IIT 34030	Java Programming
IIT 34040	C++ Programming
IIT 34050	C# Programming

Project Management Cluster

IIT 33100	Project Cost and Schedule Estimating
IIT 43200	Project Management Process
IIT 43300	Cost and Scheduling Applications

Recommended as last cluster.

Capstone

IIT 48900	Information Technology Capstone

Prerequisite: Completion of 54 hours in major or permission of the program director.

CYBER SECURITY, BS

The LCIE Bachelor of Science in Cyber Security provides a wide range of courses for students interested in a career as an information security analyst. Information security analysts plan and carry out security measures to protect an organization's computer networks and systems. Their responsibilities are continually expanding as the number of cyber-attacks increase. Classes are taught by experienced professionals in the various areas. The LCIE general education requirements of the university must be met by each student. The Bachelor of Science in Cyber Security requires 57-semester hours of credit in the major beyond the general education requirements. The student will work with a faculty advisor to determine an appropriate sequence of courses from the following lists of nine credit hour clusters and individual three semester hour courses.

Required

Networking Cluster

IIT 32100	Networking Essentials
IIT 32200	Network Applications
IIT 32300	Network Implementation-A Case Study & Simulation

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience.

Advanced Networking Cluster

IIT 42100	General Network Administration
IIT 42200	Network Application-Client Server
IIT 42300	Problem Solving-Network Applications

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Cyber Security Cluster

IIT 33200	Fundamentals of Cyber Security
IIT 33300	Secure Social Interaction in a Digital World
IIT 33400	Ethical Issues in Cyber Security

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Cybercrime Cluster

ICJ 35100	Investigating Cybercrime
ICJ 35200	Digital Evidence
ICJ 35300	Case Studies in Cybercrime

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Digital Forensics Cluster

IIT 43500	Computer Forensics and Ethical Hacking
IIT 43600	Security Analysis and Penetration Testing
IIT 43700	Report Writing for Security Analysts

Prerequisites: IIT 33200, IIT 33300, IIT 33400 or equivalent experience.

Project Management Cluster

IIT 33100	Project Cost and Schedule Estimating
IIT 43200	Project Management Process
IIT 43300	Cost and Scheduling Applications

Recommended as last cluster.

Capstone

IIT 48900	Information Technology Capstone

Prerequisite: Completion of all 54 hours in major or permission of the program director.

VIRTUALIZATION AND CLOUD COMPUTING, BS

The LCIE Bachelor of Science in Virtualization and Cloud Computing provides a wide range of courses for students interested in a career as a computer network architect. Computer network architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets. These networks range from a small connection between two offices to a multinational series of globally distributed communications systems. Today's environment requires those who are proficient in virtualization and cloud computing. Classes are taught by experienced professionals in the various areas. The LCIE general education requirements of the university must be met by each student. The Bachelor of Science Degree in Virtualization and Cloud Computing requires 57-semester hours of credit in the major beyond the general education requirements. The student will work with a faculty advisor to determine an appropriate sequence of courses from the following lists of nine credit hour clusters and individual three semester hour courses.

Required

Networking Cluster

IIT 32100	Networking Essentials
IIT 32200	Network Applications
IIT 32300	Network Implementation-A Case Study & Simulation

Prerequisites: IIT 21100, IIT 21200, IIT 21400 or equivalent experience

Advanced Networking Cluster

IIT 42100	General Network Administration
IIT 42200	Network Application-Client Server
IIT 42300	Problem Solving-Network Applications

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience

Virtualization Cluster - Fundamentals

IIT 36600	Fundamentals of Data Center Virtualization
IIT 36700	Fundamentals of Cloud Computing
IIT 36800	Fundamentals of Desktop and Mobility Virtualization

Prerequisites: IIT 32100, IIT 32200, IIT 32300 or equivalent experience.

Virtualization Cluster - Administration

IIT 42400	Data Center Virtualization Administration
IIT 42500	Cloud Computing Administration
IIT 42600	Desktop and Mobility Virtualization Administration

Prerequisite: IIT 36600, IIT 36700, IIT 36800.

Virtualization Cluster - Design

IIT 42700	Data Center Virtualization Design
IIT 42800	Cloud Computing Design
IIT 42900	Desktop and Mobility Virtualization Design

Prerequisite: IIT 42400, IIT 42500, IIT 42600.

IIT 33100   Project Cost and Schedule
                   Estimating
IIT 43200   Project Management Process
IIT 43300   Cost and Scheduling Applications

Recommended as last cluster.

Capstone

IIT 48900   Information Technology Capstone

Prerequisite: Completion of 54 hours in major or permission of the program director.

The following new clusters have been added:

Digital Forensics Cluster

IIT 43500 Computer Forensics and Ethical Hacking
This course will introduce students to computer incident response and computer forensics. Specific attention will be given to recovery of evidence from desktop computers, mobile devices, and network resources. This course covers the topics listed in the ECH domains.

IIT 43600 Security Analysis and Penetration Testing
This course will introduce students to the framework for penetration testing for the purpose of security analysis. This course covers the topics listed in the ECSA domains.

IIT 43700 Report Writing for Security Analysts This course will discuss penetration testing and the legal aspects of evidentiary report writing. This course covers the topics listed in the LPT domains.

Virtualization Cluster – Fundamentals

IIT 36600 Fundamentals of Data Center Virtualization
This course will cover the concepts of Data Center Virtualization, including virtual machines, storage, operations, and networking. Availability, scalability, optimization, and management challenges will be addressed. A common virtualization product will be used to demonstrate these challenges and their solutions.

IIT 36700 Fundamentals of Cloud Computing This course will provide students with a fundamental understanding of the business challenges can be resolved by cloud computing. Elasticity, efficiency, availability, and management challenges will be addressed. A common virtualization product will be used to demonstrate these challenges and their solutions.

IIT 36800 Fundamentals of Desktop and Mobility Virtualization This course will provide students with an understanding of the challenges in End User Computing at both the desktop and with mobile devices and the solutions available. Virtual desktops, clones, pools, thinApps, and thin and zero clients will be discussed. A common virtualization product will be used to demonstrate these challenges and their solutions.

Virtualization Cluster – Administration

IIT 42400 Data Center Virtualization Administration
This hands-on training course explores installation, configuration, and management of VMware vSphere®, which consists of VMware ESXi™ and VMware vCenter Server™. The course is based on the latest release of ESXi and vCenter Server.

IIT 42500 Cloud Computing Administration This training course focuses on installing, configuring, and managing VMware vCloud® Automation Center™. This course covers the configuration and use of the vCloud Automation Center platform, including self-service provisioning and the creation of multivendor cloud services.

IIT 42600 Desktop and Mobility Virtualization Administration This hands-on training course builds your skills in the VMware® View™ suite of products: VMware View Manager, View Composer, and VMware ThinApp®. This course is based on the latest View® and ThinApp® releases.

Virtualization Cluster – Design

IIT 42700 Data Center Virtualization Design This course will equip IT professionals with the knowledge, skills, and abilities to achieve competence in designing a virtual infrastructure. Given an organization's constraints and requirements, the infrastructure should be available, scalable, manageable, and secure while meeting the organization's business objectives. Common virtualization products will be used to demonstrate these challenges and their solutions.

IIT 42800 Cloud Computing Design This course is designed to guide students through the decision points and policy choices available for designing and implementing a cloud computing environment. Common virtualization products will be used to demonstrate these challenges and their solutions.

IIT 42900 Desktop and Mobility Virtualization Design
This course presents a methodology for designing a desktop and mobility. The design methodology includes recommendations for the type of information and data that must be gathered and analyzed to make sound design decisions for client systems, desktop options, the cloud infrastructure, and desktop components. Common virtualization products will be used to demonstrate these challenges and their solutions.

The following new graduate degree programs have been approved for offering in 2014/15:

MANAGING INFORMATION SECURITY, MS

The Master of Science in Managing Information Security will accept students who have undergraduate degrees in information technology, computer science, computer information systems, management information systems, the Post Bachelor's Certificate in Information Technology, or equivalent work experience or professional certifications to be determined by Lindenwood University. It serves students by providing them with the background necessary to become effective IT Security Managers. Computer and information systems managers, often called information technology (IT) managers or IT project managers, plan, coordinate, and direct computer-related activities in an organization. They help determine the information technology goals of an organization and are responsible for implementing computer systems to meet those goals.

Required

Graduate Project Management Cluster

IIT 53100	Scheduling, Cost Control and Estimating Models
IIT 53200	Implementing a Management Control System
IIT 53300	System Approach to Software Management

Graduate Managerial System Integration Cluster

IIT 54100	Database Integration and Management
IIT 54200	New Technology Integration
IIT 54300	Enterprise Resource Planning (ERP)

Graduate Management Cluster

IBA 54000	Management and Administrative Theory
IBA 54100	Organizational Behavior
IBA 54300	Personnel Management and Labor Relations

Graduate Data Forensics and the Law Cluster

IIT 52100	Information Technology and Law Ethics
IIT 52600	Data Forensics and Evidence Collection
IIT 52700	Courtroom Testimony and Presentation for IT Managers

Graduate Information Security Management Cluster

IIT 52500	Network and Data Center Security
IIT 52600	Current Issues in Information Technology
IIT 52700	Security Project

Capstone

IIT 60100	Information Technology Capstone

MANAGING VIRTUALIZATION AND CLOUD COMPUTING, MS

The MS in Managing Virtualization and Cloud Computing will accept students who have undergraduate degrees in information technology, computer science, computer information systems, management information systems, the Post Bachelor's Certificate in Information Technology, or equivalent work experience or professional certifications to be determined by Lindenwood University. It serves students by providing them with the background necessary to become effective IT managers. Computer and information systems managers, often called information technology (IT) managers or IT project managers, plan, coordinate, and direct computer-related activities in an organization. They help determine the information technology goals of an organization and are responsible for implementing computer systems to meet those goals.

Required

Graduate Project Management Cluster

IIT 53100	Scheduling, Cost Control and Estimating Models
IIT 53200	Implementing a Management Control System
IIT 53300	System Approach to Software Management

Graduate Managerial System Integration Cluster

IIT 54100	Database Integration and Management
IIT 54200	New Technology Integration
IIT 54300	Enterprise Resource Planning (ERP)

Graduate Management Cluster

IBA 54000	Management and Administrative Theory
IBA 54100	Organizational Behavior
IBA 54300	Personnel Management and Labor Relations

Graduate Data Acquisition and Management Cluster

IIT 55100	Elements of Data Warehousing and Mining
IIT 55200	Data Warehousing Systems
IIT 55300	Export, Translation and Load (ETL)

Graduate Virtualization and Architecture Management Cluster

IIT 55500	Data Center and Cloud Architecture
IIT 55600	Applications and Services Best Practices
IIT 55700	Virtualization Project

Capstone

IIT 60100	Information Technology Capstone

The following new clusters have been added:

Graduate Data Forensics and the Law Cluster

IIT 52100 Information Technology Law and Ethics (3)
This course examines the federal and state law surrounding telecommunications and technology usage. Also examined are the impact of these laws on corporation and individuals both criminally and civilly. A discussion of ethics in information security will occur around these laws and their results.

IIT 52200 Data Forensics and Evidence Collection (3)
The rules of digital evidence, as statutory and constitutional law prescribes them, are examined in this course. The long–standing history of proper evidentiary procedure is explored in depth and is made relevant through examination of related Supreme Court Cases.

IIT 52300 Courtroom Testimony and Presentation for IT Managers (3) The role of courtroom testimony and procedure is examined in this course. The importance of proper case preparation and presentation is carefully examined in this course along with constitutional restrictions on testimony and evidence. Examples from security breached and privacy issues will be used as examples.

Graduate Information Security Management Cluster

IIT 52500 Network and Data Center Security (3) This class will focus on the overarching responsibility of securing a network and data center. It will include both physical security, data security, and a detailed evaluation of managing security in a corporate environment.

IIT 52600 Current Issues in Information Technology (3) In this course, the student will research current topics surrounding security by consulting relevant trade journals and the World Wide Web. Developing an awareness of and the ability to effectively communicate a solution to senior management regarding current security risks will be a key component of this class. Some current risks include Phishing, Identity Theft, User Awareness, Man in the Middle Attacks, Distributed Denial of Service Attacks.

IIT 52700 Security Project (3) Students will study the composition of an effective corporate security policy and will design a security policy for a fictional corporation based on parameters provided by the instructor, which will be provided as a formal written document to be evaluated for course credit.

Graduate Virtualization Architecture Management Cluster

IIT 55500 Data Center and Cloud Architecture (3)
This course covers the pros and cons of each service model from the viewpoint of a consumer of cloud services. It will discuss vendor selection and development process for cloud computing initiatives. It will highlight major design considerations in areas such as security, data storage, monitoring, APIs, and more.

IIT 55600 Applications and Services Best Practices (3)
Using cases and real world examples, this course discusses the concepts of "everything as a service." A discussion of common applications and services using cloud computing will take place in relation to common business models.

IIT 55700 Virtualization Project (3) Students will study the composition of effective virtualization architecture and will design a cloud infrastructure for a fictional corporation based on parameters provided by the instructor, which will be provided as a formal written document to be evaluated for course credit.

The following cluster names have been changed:

Graduate Data ~~Warehousing and Mining~~ Acquisition and Management Cluster