

Received by the Graduate Council—December 4, 2017

GRADUATE COUNCIL CURRICULUM COMMITTEE
Second Meeting/2017-18 Academic Year
November 13, 2017

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COLLEGE OF BUSINESS

Other catalog change: Pages 58-59, 2017-18 Graduate Catalog

Master of Business Administration

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Program Format Options and Locations

In order to pursue an M.B.A. degree one must apply and be admitted to one of the five program formats. A student who wishes to change program format may do so with approval of the office of M.B.A. programs. Contact the M.B.A. program office for information regarding delivery formats and locations.

~~Evening Master of Business Administration~~

~~The evening M.B.A. is designed for summer session. For further information contact the office of M.B.A. programs at 866-648-6221.~~

~~Executive Master of Business Administration~~

~~The executive M.B.A. program is fall semester. For further information contact the executive M.B.A. office, 815-753-0257.~~

~~Fast-Trak Master of Business Administration~~

~~The one-year fast trak M.B.A. is designed for the fast trak M.B.A. For further information contact the fast trak M.B.A. office, 815-753-0257.~~

~~One-Year and Chicago Master of Business Administration~~

~~The one-year M.B.A. and Chicago M.B.A. are designed for fall semester only. For further information contact the office of M.B.A. programs at 866-648-6221.~~

International Business

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Other catalog change: Page 57, 2017-18 Graduate Catalog

Graduate Study in Business

The College of Business offers the Master of Business Administration (M.B.A.), the Master of Accountancy (MAC), the Master of Accounting Science (M.A.S.) with an area of study, the Master of Science in Taxation (M.S.T.), the Master of Science (M.S.) in financial risk management, and the Master of Science (M.S.) in management information systems. These programs are accredited by AACSB International—The Association to Advance Collegiate Schools of Business.

Other catalog change: Pages 59-60, 2017-18 Graduate Catalog
(This certificate is being moved from the Department of Operations Management and Information Systems section.)

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Certificates of Graduate Study

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International Business (12)

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Management Information Systems (12)

This certificate is designed to provide working professionals and non-MIS graduate students with a set of courses focused on the application of information technology. Information technology plays an important role for competitive advantage as a differentiator in many products and services. A certificate in MIS will enhance a student's understanding of the role of information technology and how it must be managed effectively as an organizational resource.

Students must maintain good academic standing within the university, achieve a minimum grade of a B in each course applied toward the certificate, and complete all certificate course work within a period of six calendar years. Only courses taken at NIU may be applied toward the certificate. Courses used to satisfy the requirements for the certificate may also be applied toward a graduate degree with approval of the major department. All courses have Phase One prerequisites that are not part of the certificate curriculum.

Students interested in the certificate should apply no later than the beginning of their final semester prior to graduation, but they are urged to apply as soon as they begin their course work so the coordinator may advise students regarding course scheduling. Applications are available in the College of Business MBA Program Office.

Requirements

Select four of the following graduate courses:

- OMIS 640 - Management of Information Systems Technology (3)
- OMIS 643 - Enterprise Process Improvement (3)
- OMIS 651 - Business Systems Analysis and Design (3)
- OMIS 652 - Business Application of Database Management Systems (3)
- OMIS 660 - Business Computing Environments and Networks (3)
- OMIS 675 - Internet Computing Applications (3)
- OMIS 690 - Information Technology Project Management (3)

Managerial Leadership (12)

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Department of Accountancy

New course

Page 66, 2017-18 Graduate Catalog

CIP: 52.03

672. PROFESSIONAL DEVELOPMENT SKILLS IN ACCOUNTING (3). Study and practice of professional development skills in an accounting context with a focus on issues related to critical thinking,

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communication, and influence. Class activities highlight key applications of academic work related to professional development and provide opportunities to develop professional skills critical for success in the accounting profession.

Other catalog change Pages 61-62, 2017-18 Graduate Catalog

Master of Accounting Science

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Leadership Area of Study

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Students must complete 21 semester hours of graduate-level accounting course work including:

ACCY 670 - Accounting Research (3),

OR ACCY 645 - Professional Tax Research (3)

ACCY 672 - Professional Development Skills in Accounting (3)

ACCY 675 - Data Analytics and Decision Making in Accounting (3)

ACCY 690 - Accountancy Capstone/Financial Statement Analysis and Business Valuation (3)

Students must also complete:

Nine semester hours of additional graduate-level course work approved by the department (9) ~~A minimum of six of these additional nine semester hours must be comprised of non-accountancy course work~~

~~Complete required professional development activities~~

Department of Marketing

New Courses: Page 72, 2017-18 Graduate Catalog

CIP: 52.14

640. DIGITAL SELLING STRATEGY (3). Explores digital selling and current changes to the selling process including: researching prospects (digitally/socially), social listening, leveraging tools and techniques to connect with buyers, creating content to engage, building networks, and social branding. ~~Students will combine these~~ These components are combined to craft digital strategies to assist customers' journeys. PRQ: All Phase One courses or consent of department.

670. DIGITAL MARKETING STRATEGY (3). Introduction to digital marketing strategy emphasizing the foundations of website development with search engine optimization, mobile advertising, inbound marketing, social media, and paid search. PRQ: All Phase One courses, and MKTG 603, and MKTG 654, or consent of department.

671. DIGITAL MARKETING AND SEARCH ENGINE OPTIMIZATION (2). Examination of effective digital marketing campaigns. Topics include a study of leading paid search, display, and mobile advertising platforms, as well as selecting keywords and testing content for maximum ROI. Provides a pathway for

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earning certifications for the most relevant search engines. PRQ: MKTG 603 and MKTG 670, or consent of department.

672. MOBILE MARKETING (2). Analysis of how mobile marketing helps organizations reach a specific audience on their smartphones, tablets, and other related devices. Designed to help marketers understand the latest mobile technologies and create compelling campaigns that take advantage of them. PRQ: MKTG 603 and MKTG 670, or consent of department.

673. SOCIAL MEDIA MARKETING AND ADVERTISING (2). In-depth examination of the use of social media platforms and websites to promote a product or service. Covers topics such as developing social media content calendars, using automated tools to manage campaigns and develop advertising campaigns that produce sales leads. Provides a pathway for earning relevant certifications for several leading social media platforms. PRQ: MKTG 603 and MKTG 670, or consent of department.

674. DIGITAL MARKETING CAMPAIGN MEASUREMENT (2). Develop means to use enterprise analytics tools to measure website, app, digital, and offline data to gain customer insights. Provides a pathway for earning certifications for leading search engine analytics tools. PRQ: MKTG 603 and MKTG 670, or consent of department.

675. CONTENT MARKETING (2). Development of a content marketing strategy that aligns with the organization's sales and marketing objectives prior to implementing social media channels. Covers how to choose a content marketing platform, build and optimize a blog, develop a comprehensive content calendar, and optimize inbound marketing content to improve organic search results and generate traffic to an organization's website. PRQ: MKTG 603 and MKTG 670, or consent of department.

677. BUILDING AND MANAGING RESPONSIVE WEBSITES (2). Design and implementation of websites which will serve as the center of an organization's digital marketing universe. ~~Students will~~ Development of responsive designs that can be viewed on any desktop or mobile device. Provides the strategic and marketing framework in a hands-on manner to using open-source content management systems to create, optimize, and promote responsive websites that integrate seamlessly with social media channels and blogs. PRQ: MKTG 603 and MKTG 670, or consent of department.

678. MARKETING DATA VISUALIZATION (2). Learn how to visualize data to speed decision making by using digital marketing data sets. Topics include data acquisition, data cleansing, creating calculated measures, deciding on types of visualization, and building reports and dashboards. PRQ: MKTG 603 and MKTG 670, or consent of department.

679. DATABASE MARKETING (2). Examination of relational database management systems (RDBMS) from a marketing perspective. Focus on current marketing systems and their use in developing marketing campaigns to effectively reach a target audience of customers. PRQ: MKTG 603 and MKTG 670, or consent of department.

680. DIGITAL MARKETING METRICS (2). Understand how to create and implement key performance

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indicators (KPIs) used frequently by digital marketers. Study the components of each KPI and the source of data required to measure and track these KPIs using sample data sets and case studies. PRQ: MKTG 603 and MKTG 670, or consent of department.

682. ONLINE REPUTATION MANAGEMENT (2). Study of how to develop strategies to counteract negative publicity, brand, attacks, and competitor marketing offensives in a digital marketing environment. Topics include managing negative reviews and malicious attacks on an organization's reputation by using automated monitoring tools. ~~Students will d~~Development of a comprehensive crisis communications plan designed to provide stakeholders step-by-step instructions on what to do when a negative attack occurs. PRQ: MKTG 603 and MKTG 670 and MKTG 672 and MKTG 674.

684. CAPSTONE APPLICATIONS IN DIGITAL MARKETING (3). Individual study related to digital marketing and its application to marketing strategy. Specific topic to be determined by the student and the capstone instructor. PRQ: Completion of all Marketing Foundation requirements and completion of 10 or more hours of Digital Marketing Foundation course work.

686. CAPSTONE DIGITAL MARKETING PROJECT (3). Comprehensive project involving individuals working with a for- or non-profit organization to develop a digital advertising or marketing plan. Student and capstone instructor work together to develop a proposal. PRQ: Completion of all Marketing Foundation requirements and completion of 10 or more hours of Digital Marketing Foundation course work.

Department of Operations Management and Information Systems

New courses Page 76, 2017-18 Graduate Catalog

CIP: 11.01

598. CAREER PLANNING IN MANAGEMENT INFORMATION SYSTEMS (0). Career planning and job search skills of benefit to students in their initial employment search and throughout their careers. Topics include, but are not limited to, researching a company, writing a resume and cover letter, and interviewing techniques. PRQ: Management Information Systems major or consent of department.

645. APPLIED BUSINESS ANALYTICS USING SAS (3). Comprehensive study of statistical methods in business analytics using SAS. Emphasis on the appropriate data analyses and interpretation of the results to assist business leaders in decision making.

Other catalog change Pages 74-75, 2017-18 Graduate Catalog

Master of Science in Management Information Systems

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Phase Two - Required Courses (18)

OMIS 598 - Career Planning in Management Information Systems (0)

OMIS 599 - Degree Completion Seminar (0)

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OMIS 660 - Business Computing Environments and Networks (3)
~~OMIS 675 - Internet Computing Applications~~
OMIS 690 - Information Technology Project Management (3)

Phase Two - Electives (9) (12)

To be selected from the following courses or from among relevant graduate offerings elsewhere in the university with approval of the academic program coordinator.

OMIS 605 - Independent Study in Information Systems (3)
OMIS 645 - Applied Business Analytics Using SAS (3)
OMIS 653 - Enterprise Systems Configuration with SAP (3)
OMIS 661 - Business Intelligence Applications and Tools (3)
OMIS 665 - Big Data Analytics for Business (3)
OMIS 670 - Social Media Analytics for Business (3)
OMIS 675 - Internet Computing Applications (3)
OMIS 682 - Advanced Networking and Network Security (3)
OMIS 694 - Advanced Topics in Information Systems (3)
OMIS 695 - Internship in Management Information Systems (3)
OMIS 698 - Projects in Management Information Systems (3)

A specialization is not required to complete the MIS program. But students may choose one or two following specializations in the program.

Specialization in Business Analytics (9)

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Specialization in Business Analytics consists of the following courses:

OMIS 645 - Applied Business Analytics Using SAS (3)
OMIS 665 - Big Data Analytics for Business (3)
OMIS 670 - Social Media Analytics for Business (3)
~~OMIS 694 - Advanced Topics in Information Systems (3) (For the specialization in Business Analytics, students must take the topic: Seminar of Research Methodologies and Applications in Business Analytics.)~~

Students who choose this specialization will use the above three courses **and one other elective course** to serve the Phase Two Elective requirement.

Specialization in SAP and Business Enterprise Computing (9)

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Students who choose this specialization will use OMIS 653, OMIS 661, and ~~one~~ **two** of the elective courses to serve the Phase Two Elective requirement.

Certificates of Graduate Study

~~Business Analytics~~ **Enterprise Management** Using SAP software (12)

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Coordinator: ~~Steven Kispert~~ **Academic Advisor**, Department of Operations Management and Information Systems

This certificate is designed for all working professionals who wish to have a certificate in ~~Business Analytics~~ **Enterprise Management** using SAP software. ~~Business Analytics is a broad category of technologies, ... Gartner's annual survey of IT executives. Enterprise software is a category of computer programs used to run a business. Enterprise software is designed to solve organization-wide problems, rather than individual departmental problems. The goal for an organization adopting enterprise software is improved productivity and efficiency through better management of its core business processes. The market leader in business analytics application enterprise software is SAP. A certificate in Business Analytics Enterprise Management Using SAP Software will give working professionals the opportunity to add value to their positions through advanced course work, to obtain credentials necessary to support their current position, and increase employability within the field of business analytics enterprise software, particularly in the SAP job market space.~~

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Required Courses:

- OMIS 640 - Management of Information Systems Technology (3)
- OMIS 643 - Enterprise Process Improvement (3)
- OMIS 653 - Enterprise Systems Configuration with SAP (3)**
- OMIS 661 - Business Intelligence Applications and tools (3)
- ~~OMIS 694 - Advanced Topics in Information Systems (3)~~

Other catalog change: Pages 75-76, 2017-18 Graduate Catalog
(This certificate is being moved to the College of Business section.)

Certificates of Graduate Study

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~~Management Information Systems (12)~~

~~This certificate isorganizational resource.~~

~~Students must maintain certificate curriculum.~~

~~Students interested Management and Information Systems.~~

~~Select four of the following graduate courses:~~

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- ~~OMIS 690 - Information Technology Project Management (3)~~

COLLEGE OF EDUCATION

Department of Counseling, Adult and Higher Education

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All University Change

Admission to Graduate Study

Other Catalog Change Page 18, 2017-18 Graduate Catalog

Examinations Required for Admission

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Graduate Record Examination (GRE)

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Doctor of Nursing Practice

Ed.D in Adult and Higher Education (exempt)

Ph.D in Health Science (applicants who have earned a graduate degree with a 3.50 or higher GPA from an accredited institution are exempt).

Educator Licensure Information

Other Catalog Change Page 39, 2017-18 Graduate Catalog

Licensure Program

Academic Department/School

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Standard Special License (K-12)

Art 1

Art and Design

~~Blind and Partially Seeing~~

~~Special and Early Education~~

French

Foreign Languages and
Literatures

German

Foreign Languages and
Literatures

~~Learning Behavior Specialist I~~

~~Special and Early Education~~

Music

Music

Physical Education

Kinesiology

Spanish

Foreign Languages and
Literatures

Special Education (Pre-K – age 21)

Learning Behavior Specialist I

Special and Early Education

Visual Impairments

Special and Early Education

Inter-College Interdisciplinary Certificates

Other Catalog Change Page 328, 2017-18 Graduate Catalog

Museum Studies (24) (15-18)

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This certificate is jointly administered by the College of Education, the College of Liberal Arts and Sciences, and the College of Visual and Performing Arts. The certificate has been designed to prepare students for careers in public and private museums and related historical societies, archives, or other agencies or institutions that work with artistic, cultural, or historical materials
~~Students enrolling in the certificate are expected to have completed ART 565—Introduction to Museum Studies (3) or equivalent.~~

Practicum: One of the following (1)

~~ANTH 665—Museum Practicum (1)~~

~~ART 665—Museum Practicum (1)~~

~~EPFE 597—Independent Research in Foundations of Education (1)~~

Internship: (3)

~~ANTH 693 - Museum Internship (1-2)~~

~~ART 765 - Museum Internship (1-2) (3)~~

~~HIST 600 - Internship in Public History (1-2) (3)~~

~~EPFE 586 - Internship in Educational Foundations (1-2) (3)~~

Students who already possess extensive professional experience in museums or related sites may petition the Museum Studies Program Committee for a waiver of the internship requirement.

All of the following ~~(15)~~ (12)

~~ANTH 562 - Museum Methods (3)~~

~~ART 654 - Museum Administration (3)~~

~~ART 655 - Curatorial Practice~~ **Museum Exhibitions and Interpretation (3)**

~~ART 656—Museum Exhibitions and Interpretation (3)~~

~~TLCI 657 - Museum Education (3)~~

Additional elective (3) chosen from the following, in consultation with Museum Studies program coordinator:

~~ART 625/WGST 625X - Museums: Gender, Race and Class (3)~~

~~ART 656 - Advanced Curatorial Practice~~

~~ART 658 - Preventive Conservation Seminar (3)~~

~~ETT 531 - Visual Literacy (3)~~

~~HIST 592 - Introduction to Public History (3)~~

~~One course with significant museum studies content, to be approved by Museum Studies program coordinator (3)~~

~~Elective course substitution is possible with the approval of the Museum Studies program coordinator.~~

Department Section

New Course

Page 89, 2017-18 Graduate Catalog

CIP: 13.1101

CAHC 510. COUNSELING INTERVENTIONS ACROSS THE LIFESPAN (3). Explores counseling strategies that are culturally, ethically, and developmentally appropriate for individuals and family

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development across the lifespan. Theories of lifespan development, resiliency, and wellness are examined.

Course Revisions

Page 89, 2017-18 Graduate Catalog

CAHC 521. COUNSELING WITH CHILDREN AND ADOLESCENTS (3).

CAHC 525. COUNSELING SKILLS AND STRATEGIES (3). *Crosslisted as AHC REHB 525X.*

CAHC 530. COUNSELING THEORIES AND PRACTICES (3).

CAHC 532. EVIDENCE INFORMED PRACTICES IN CLINICAL MENTAL HEALTH (3). Critical evaluation ... health disorders. ~~PRQ: Core courses in master's degree in counseling program completed or consent of department.~~

CAHC 565. MULTICULTURAL AND SOCIAL JUSTICE COUNSELING (3).

CAHC 567. SUBSTANCE ABUSE ISSUES USE AND ADDICTIONS IN COUNSELING (3). The pharmacologic and psychosocial effects of potentially addictive substances. Emphasis on psychoeducational methods, counseling skills and intervention models for addressing substance based use, abuse, and dependence. ~~PRQ: CAHC 501 or consent of department.~~

CAHC 594. COUNSELING THE LESBIAN, GAY, BISEXUAL, AND TRANSGENDERED AND QUEER COMMUNITY (3). Focus on unique challenges facing lesbian, gay, bisexual, and transgendered, and queer (LGBTQ) individuals as well as their families; theoretical understandings, developmental experiences, and multicultural influences; diversity within the LGBTQ community, societal prejudice, oppression, and other salient themes. This course is appropriate for all graduate-level students of any discipline.

CAHC 595. ~~WOMEN AND CAREERS~~ CAREER COUNSELING AND DEVELOPMENT IN A MULTICULTURAL SOCIETY (3). Examination of the psychological, demographic, sociocultural, and interpersonal influences on the career development of ~~women~~ diverse populations. ~~PRQ: CAHC 511 or consent of department.~~

CAHC 715. CONCEPTS IN TRAUMA-INFORMED COUNSELING (3). Roles and responsibilities ... interventions for trauma. ~~PRQ: CAHC 593 or consent of department.~~

CAHC 716. COUNSELING FOR COMPLEX TRAUMA (3). Roles and responsibilities ... with complex trauma exposures. ~~PRQ: CAHC 593 or consent of department.~~

CAHC 717. CREATIVE AND EXPERIENTIAL APPROACHES IN TRAUMA-INFORMED COUNSELING (3). Roles and responsibilities ... and body-based interventions. ~~PRQ: CAHC 593 or consent of department.~~

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CAHC 718. RESILIENCY AND WELLNESS IN TRAUMA-INFORMED COUNSELING (3). Roles and responsibilities ... and gun violence. Self-care of the counselor. **PRQ: CAHC 593 or consent of department.**

CAHC 765. **APPLIED MULTICULTURAL COUNSELING AND SOCIAL JUSTICE COUNSELING** (3).
... ..

Other Catalog Change

Page 82, 2017-18 Graduate Catalog

Master of Science in Education in Counseling

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Admission

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Applicants to the program in counseling ... supplementary data forms and take any required tests. ~~Applicants are to create an applicant account on the counseling program Tk20 student data system located on the CAHE website.~~ Admission to the master's program in counseling is competitive and takes place once a year in the spring.

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Requirements

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Common Core

CAHC 500 - Professional Identity and Ethics in Counseling (3)

CAHC 501 - Diagnosis of Mental Health Issues in Counseling (3)

CAHC 510 - Counseling Interventions across the Lifespan (3)

CAHC 511 - Career Counseling (3)

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CAHC 593 - Crisis Intervention (3)

~~EPS 710 - Seminar in Lifespan Human Development (3)~~

ETR 520 - Introduction to Research Methods in Education (3)

Other Catalog Change

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Master of Science in Education in Counseling

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Non-Thesis Option

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CAHC 530 - Counseling Theories ~~and Practices~~ (3)

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CAHC 565 - Multicultural **and Social Justice** Counseling (3)

CAHC 567 - Substance Abuse Issues **Use and Addictions** in Counseling (3)

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ETR 520 - Introduction to Research Methods in Education (3)

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School Counseling

CAHC 513 - Postsecondary and College Counseling for School Counselors (3)

CAHC 521 - Counseling with Children and **Adolescents** (3)

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Other Catalog Change

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Doctor of Education in Adult and Higher Education

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Application Deadlines

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Admission

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Student-at-Large, Study-Abroad, and Transfer Credit

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Requirements

Upon admission, a student is expected to meet with his or her adviser to complete a program of study **and choose an emphasis: College Teaching or Higher Education Administration.**

The ~~doctoral~~ **Ed.D.** program in adult and higher education requires a minimum of ~~90 semester hours of graduate work beyond the baccalaureate degree, including the dissertation~~ **54 semester hours beyond the master's degree.** With the approval of the department and the office of the dean of the Graduate School, a master's degree may be accepted in lieu of 30 of the 90 semester hours. Ordinarily a student's program will consist of the following: **Students are required to take 15 semester hours of common requirements, 12 semester hours of research methodology, 15 semester hours in their area emphasis, and 12 semester hours of dissertation.**

Common Requirements (21 15)

CAHA 570 - Organization, Personnel Management, & Academic Administration (3)

~~CAHA 701 - Professional Practices in Adult and Higher Education (3)~~

CAHA 702 - Philosophy of Postsecondary Education (3)

CAHA 720 - Review of Research in Adult and Higher Education (3)

~~CAHA 757 - Seminar in Higher Education (3)~~

CAHE 770 - Administration of Higher Education (3)

CAHA 798 - Research Seminar in Adult and Higher Education (3)

Research Methodology Requirements (12)

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Area Emphasis (15):

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Doctor of Education in Adult and Higher Education

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Specialization in Community College Leadership

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Requirements

The Ed.D. in adult and higher education requires a minimum of ~~60~~ 54 semester hours beyond master's degree. Students are required to take ~~30~~ 27 semester hours of the community college core, 15 semester hours of the research core, and ~~15~~ 12 semester hours of dissertation.

Community College Core

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CAHE 704 - Strategic Marketing and Enrollment Management (3)

~~CAHE 710 - Strategic Decision Making & Organizational Change (3)~~

CAHE 770 - The Administration of Higher Education (3)

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Dissertation

CAHA 799: Dissertation (~~15~~ 12)

Other Catalog Change

Page 85, 2017-18 Graduate Catalog

Doctor of Philosophy in Counselor Education and Supervision

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Course Requirements

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CAHC 765 – Applied Multicultural Counseling and Social Justice Counseling (3)

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Other Catalog Change

Page 85, 2017-18 Graduate Catalog

Doctor of Philosophy in Counselor Education and Supervision

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Course Requirements

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ETR 531 - Program Evaluation in Education (3) Or other appraisal course with approval of student's program committee

ETR 720 - Advanced Research Methods in Education (3)

~~ETR 722 - Educational Research Planning and Interpretation (3)~~

Electives selected in consultation with student's program committee (9)

Other Catalog Change

Page 85-86, 2017-18 Graduate Catalog

Career Development (18-12)

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This certificate is designed to prepare professionals in educational settings, public service agencies, and the private sector to assist individuals of all ages with career planning, decision making, changes, and development. It is available to any graduate-level student in good standing. Students who want to pursue this certificate must file an application with the certificate coordinator and develop a plan of studies with that coordinator.

CAHC 511 – Career Counseling (3)

CAHC 512 - Organization and Administration of Career Counseling Programs (3)

CAHC 575 - Assessment in Career Counseling (3)

~~CAHC 710 – Theory in Career Development (3)~~

Three of the following (9)

~~CAHC 544 – Alternatives in the Counseling and Placement of Adults (3)~~

CAHC 595 - ~~Women and Careers~~ **Career Counseling and Development in a Multicultural Society (3)**

~~CAHC 586 – Internship in Counseling (3),~~

~~OR CAHC 786 – Internship in Counseling (3),~~

Career development elective approved by coordinator (3)

Department of Curriculum and Instruction

Course Revision

Page 101, 2017-18 Graduate Catalog

~~TLEE 586. INTERNSHIP~~ **STUDENT TEACHING (3-9). Student teaching for one entire semester. Assignments arranged with the department. See “Educator Licensure Requirements”.** May be repeated to a maximum of 9 semester hours. S/U grading.

Other Catalog Change

Page 92, 2017-18 Graduate Catalog

Master of Arts in Teaching (M.A.T.)

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Diversity and Special Needs

EPFE 521 - Historical Foundations of Education in the United States (3)

LTIC 501 - Multicultural Education: Methods and Materials (3)

~~SESE 557 – Methods for Including Middle and Secondary Students with Exceptionalities in the General Education Classroom (3)~~

SESE 556 - Methods for Inclusion and Collaboration in the General Education Classroom (3)

Other Catalog Change

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Master of Arts in Teaching (M.A.T.)

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Deficiency Study

Depending upon a student’s prior programming background, successful completion of deficiency courses may be required.

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Students who have not ... test.

Requirements

The specialization in elementary education with initial licensure requires a minimum of 42~~4~~5 semester hours of graduate work, consisting of the following:

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Pedagogy

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LTRE 500 - Improvement of Reading in the Elementary School (3)

LTRE 511 – Teaching Reading in the Content Areas (3)

MATH 502/TLEE 502X - Methods of Instruction in the Mathematics Curriculum for Elementary School

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TLEE 586 –~~Internship~~ **Student Teaching** (5)

Department of Curriculum and Instruction

Other Catalog Change

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Master of Science in Education in Curriculum and Instruction

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The major in curriculum and instruction prepares knowledgeable, reflective practitioners and instructional leaders to work in both formal and nonformal educational settings. Courses help educational practitioners clarify their professional purposes and improve the pedagogical environments in which they function. ~~The degree may include course work in curriculum leadership, environmental education, and secondary education. Students may choose to focus their course work in one area or combine course work to meet their professional needs.~~

~~Curriculum leadership courses curriculum improvement.~~

~~Environmental education courses in environmental education.~~

~~Courses in secondary education are mark the master teacher.~~

This program provides three paths: - Teacher Leadership; Curriculum and Cultural Practices; or, Academic Literacy, Language and Culture. Teacher leadership courses focus on building leadership capacity in classrooms, schools, and districts through courses that qualify educators for a teacher leader endorsement on their professional educator license. Curriculum and cultural practices courses focus on examining teaching and learning from a global perspective. Academic literacy, language and culture courses focus on the social and cultural dimensions of language and literacy learning.

The student learning outcomes for this degree are located at <http://www.niu.edu/assessment/clearinghouse/outcomes/index.shtml>.

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Thesis Option

Same as the non-thesis option except that a minimum of 6 semester hours of program course work must be devoted to TLCI 699A, Master's Thesis: Curriculum Leadership, TLCI 699B, Master's Thesis: Environmental Education, or TLCI 699C, Master's Thesis: Secondary Education.

Teacher Leader Endorsement Option (33)

The Teacher Leader Endorsement Option is designed to prepare licensed educators for leadership roles as mentor teachers, department chairs, curriculum directors, deans, and other quasi-administrative positions designated by a school district. The program of study is a blend of administrative and curriculum courses ... electives, students are encouraged to study in greater depth a content area related to their field.

M.S.Ed. in Curriculum and Instruction w/Teacher Leader Endorsement Option course work:

- a. A 12-semester-hour Administrative Leadership Core with course work that is shared with the M.S.Ed. in Educational Administration (Principal Preparation Program): LEEA 500, LEEA 501, LEEA 535, EPS 512.
- b. a. A 12-semester-hour Curriculum and Instruction Core comprised of: TLCI 505 (also part of M.S.Ed. in Educational Administration), TLCI 512 OR TLCI 795, TLCI 537 OR TLCI 515, TLCI 500, TLCI 510, and TLCI 598.
- e. b. A 3-semester-hour course focused on educational research and data analysis: ETR 528.
- d. 6 semester hours of electives focused on student's interests and professional goals. For example: English Language Learners, Special Education, Common Core Leadership, Outdoor/ Environmental/ Nonformal.
- c. A 3-semester-hour course focused on educational psychology: EPS 518.
- d. A 12-semester-hour Teacher Leadership Core courses comprised of: TLCI 505, TLCI 537, TLCI 595, and TLCI 795.
- e. 6 semester hours of electives focusing on student's interests and professional goals.

Candidates wishing to obtain

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Candidates must submit an application portfolio that includes:

A completed NIU Admissions Application.

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Demonstration of strong leadership skills in the candidate's current role that may translate into the role as a future teacher leader.

To remain in good academic standing ... admission to the Teacher Leader Endorsement program.

Requirements for candidates choosing only Teacher Leader Endorsement (24):

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Course work requirements for pursuing only the Teacher Leader Endorsement:

Administrative Leadership Core: LEEA 500, LEEA 501, LEEA 535, EPS 512. Curriculum and Instruction

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Core: ETR 528; TLCI 505; TLCI 512 or TLCI 795; and TLCI 537 or TLCI 515.

EPS 518; ETR 528; TLCI 500; TLCI 505; TLCI 510; TLCI 537; TLCI 595; and TLCI 795.

Course work options for pursuing the Curriculum and Cultural Practices:

EPFE 505; LTCY 592; LTIC 501; LTLA 539; ~~TLCI 567~~; TLCI 534; TLCI 540; ~~TLCI 567~~; TLEE 535; TLEE 541.

Course work options for pursuing the Academic Literacies, Language, and Culture:

EPFE 505; EPS 519; LTCY 536; LTCY 592; LTIC 553; LTLA 541; LTLA 543; LTRE 505; LTRE 510; LTRE 511; LTRE 519.

Department of Educational Technology, Research and Assessment

New Courses

Page 105-108, 2017-18 Graduate Catalog

CIP 13.0603

ETR 537. METHODS OF LEARNING ANALYTICS (3). Exploration of methods of learning analytics and applications to real-world problems, research, and practice. Leveraging educational data for teaching and research.

ETR 556. USER EXPERIENCE (UX) RESEARCH METHODS (3). Introduction to user experience (UX) research methods in instructional technology. Focus on UX, research methods, and collecting and analyzing UX research data to improve product development.

New Courses

Page 105-108, 2017-18 Graduate Catalog

CIP 13.0501

ETT 537. INTRODUCTION TO HUMAN COMPUTER INTERACTION DESIGN (3). Introduction to human computer interaction (HCI) theories and principles for designing effective interactive systems. Survey of general processes involved in designing HCI in instructional technology.

ETT 557. USER EXPERIENCE (UX) DESIGN (3). Introduction to user experience (UX) design methods, focusing on phases of design, human behaviors, interface types, interaction design, information architecture, and prototyping.

Department of Kinesiology and Physical Education

New Courses

Page 105-108, 2017-18 Graduate Catalog

CIP 31.0505

KNPE 701. PEDAGOGY IN KINESIOLOGY AND PHYSICAL EDUCATION (3). Introduction to

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teaching in kinesiology and physical education disciplines at the college level. Development of methods, techniques, and strategies for student instruction at the college level. PRQ: Consent of department.

KNPE 702. ADVANCED PEDAGOGY IN KINESIOLOGY AND PHYSICAL EDUCATION (3). Practical teaching experience within kinesiology and physical education disciplines. Further development of methods, techniques, and strategies for student instruction at the college level; as well as the development of a teaching portfolio. PRQ: Consent of department.

KNPE 711. ADVANCED SEMINAR IN KINESIOLOGY AND PHYSICAL EDUCATION I (3). Socializes students into the worlds of science, graduate education, and kinesiology and physical education research and practice. Particular emphasis placed on the responsible conduct of research, shared and unique expectations of graduate students and mentors across various kinesiology and physical education concentrations, professional development, and the nurturing of academic community. PRQ: Consent of department.

KNPE 712. ADVANCED SEMINAR IN KINESIOLOGY AND PHYSICAL EDUCATION II (3). Professional preparation immersion for entry into academic careers, and help students formulate a curricular and research program to structure the doctoral experience. PRQ: Consent of department.

KNPE 721. SCHOLARSHIP IN KINESIOLOGY AND PHYSICAL EDUCATION (3). Analysis of classic works in kinesiology and physical education for doctoral students to plan and conduct research studies in their cognate area. Particular emphasis on the interdisciplinary nature of kinesiology and physical education and becoming an active member of the research community. Preparation for grant positioning, academic writing, dissertation development, etc. PRQ: Consent of department.

KNPE 771. DIRECTED RESEARCH IN KINESIOLOGY AND PHYSICAL EDUCATION (1-15). Supervised doctoral research in a specialized area of kinesiology and physical education. Research topic must be approved by supervisor prior to registration. May be repeated to a maximum of 30 semester hours. PRQ: Consent of department.

KNPE 786. INTERNSHIP IN KINESIOLOGY AND PHYSICAL EDUCATION (1-15). Supervised experience for doctoral students in kinesiology and physical education. May be repeated to a maximum of 15 semester hours. PRQ: Consent of department.

KNPE 792. SPECIAL TOPICS IN KINESIOLOGY AND PHYSICAL EDUCATION (1-3). Topics announced. May be repeated to a maximum of 12 semester hours when topic varies. PRQ: Consent of department.

KNPE 797. INDEPENDENT STUDY IN KINESIOLOGY AND PHYSICAL EDUCATION (1-15). Independent study under direction of faculty member. May be repeated to a maximum of 30 semester hours. PRQ: Consent of department.

KNPE 799. DOCTORAL RESEARCH AND DISSERTATION (1-15). Dissertation research hours. Student

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must accumulate 15 semester hours prior to graduation. May be repeated to a maximum of 30 semester hours. S/U grading. PRQ: Candidacy for the doctoral degree and consent of chair of doctoral committee.

Department of Leadership, Educational Psychology and Foundations

Other Catalog Change

Page 123, 2017-18 Graduate Catalog

Certificates of Graduate Study

↓

~~**Problem-Based Learning in Educational Psychology (15)**~~

~~This certificate isstudy.~~

~~EPFE 511⁺—Philosophical Analysis of Current Educational Thought (3)~~

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~~EPS 786⁺—Internship (2)~~

↓

~~⁺When topic is problem-based learning.~~

Department of Special and Early Education

All University Section

The Graduate School

Other Catalog Change

Page 12-13, 2017-18 Graduate Catalog

Graduate Concentrations and Certificates of Graduate Study

Certificates of Graduate Study

↓

Art History

Assistive Technology Specialist

Behavior Analyst

↓

Directory for Correspondence

Other Catalog Change

Page 15, 2017-18 Graduate Catalog

Graduate Concentrations and Certificates of Graduate Study

↓

Applied Statistics: Director, Division of Statistics

~~Assistive Technology Specialist: Chair, Department of Special and Early Education~~

Assistive Technology Instructional Specialist for People with Visual Impairments: ...

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↓

Department Section

New Course Page 136, 2017-18 Graduate Catalog

CIP 31.1001

SESE 570. CONCEPTS AND PRINCIPLES OF BEHAVIOR ANALYSIS (3). The theoretical and conceptual framework of behavior analysis as well as the historical and philosophical underpinnings of the experimental analysis of behavior. Emphasis on the experimental research from which behavior analysis is derived.

SESE 576. CROSS-CATEGORICAL SPECIAL EDUCATION INSTRUCTIONAL METHODS (3). Analysis of evidence-based instructional methods for learners with mild to severe disabilities. Emphasis on academic and social-behavioral interventions and individualized adaptations for students with disabilities.

New Course Page 139, 2017-18 Graduate Catalog

CIP Code: 13.1099

SEVI 505. THE BLINDNESS EXPERIENCE (3). Analysis of diverse views of blindness, underlying societal factors that influence these views, and adaptations commonly used by people who are blind or have low vision to maximize their well-being.

Course Revisions Page 135, 2017-18 Graduate Catalog

SEEC 532. YOUNG CHILDREN'S EXPLORATION OF THE PHYSICAL WORLD (3). The application ... childhood classrooms (birth to age 58). Attention given ... strategies. PRQ: Consent of department.

SEEC 582. PREPRIMARY CLINICAL EXPERIENCE (1). Pre-student teaching ... childhood educator license. ~~Candidates are required to participate in a minimum of 80 clock hours.~~ May be repeated for a maximum ... department. S/U grading. PRQ: Consent of department.

SEEC 583. PRIMARY CLINICAL EXPERIENCE (2). Pre-student teaching ... 5 through 8 are enrolled for ~~a minimum of 80 clock hours.~~ May be repeated for a ... department. S/U grading. PRQ: Consent of department.

Course Revisions Pages 137-138, 2017-18 Graduate Catalog

SESE 600. INTRODUCTION TO INSTRUCTIONAL PLANNING; **AND** TEACHER PERFORMANCE ASSESSMENT, ~~AND ASSISTIVE TECHNOLOGY~~ (2). Introduction to instructional planning, teacher

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performance assessment (edTPA), ~~and assistive technology (AT)~~. Development and delivery of lesson plans created for diverse learners with an emphasis on evaluation and reflection of instructional practices and student learning. Activities include an overview of ~~AT, basics of video and audio editing,~~ design, implementation, and evaluation of lesson plans using digital technology. PRQ: At least 16 semester hours completed in program and completion of at least two of the following courses: SESE 601, 602, 604, 606; or consent of department.

SESE 601. METHODS FOR TEACHING STUDENTS WITH MILD DISABILITIES (4). Organization, experience. PRQ: SESE 540 **and ETR 524**; or consent of department. ~~CRQ: ETR 524.~~

SEVI 521. ADVANCED BRAILLE (3). Intensive blind. PRQ: ~~SESE 532~~ **SEVI 520** or consent of department.

Other Catalog Change Page 133, 2017-18 Graduate Catalog

Master of Science in Education in Special Education

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Specialization in Learning Behavior Specialist I

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SESE 600 - Introduction to Instructional Planning, **and** Teacher Performance Assessment, ~~and Assistive Technology~~ (2)

Other Catalog Change Page 133, 2017-18 Graduate Catalog

Specialization in Learning Behavior Specialist I

This specialization prepares candidates to obtain an initial Illinois Professional Educator License with the cross-categorical Learning graduation until the edTPA is passed.

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SESE 540 - Foundations of Special Education (3)

SESE 552 - Assistive Technology/Multiple Disabilities (3)

SESE 559 - Transition Planning and Vocational Programming for Students with Disabilities (3)

SESE 561 - Methods for Teaching Individuals with Developmental Disabilities (3)

~~SESE 600 - Introduction to Instructional Planning, Teacher Performance Assessment, and Assistive Technology (2)~~

SESE 601 - Methods for Teaching Students with Mild Disabilities (4)

SESE 602 - Methods for Teaching Middle and Secondary Students with Mild Disabilities (3)

SESE 603 - Functional Analysis for Special Educators (3)

~~SESE 604 - Assistive Technology and Methods for Teaching Individuals with Autism and Developmental Disabilities (4)~~

SESE 605 - Consultation, Collaboration, and Communication Skills for Special Educators (3)

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Other Catalog Change Page 133, 2017-18 Graduate Catalog

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Certificates of Graduate Study

Special Education Certificates of Graduate Study

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~~**Assistive Technology Specialist (18)**~~

~~This certificate is designed Illinois Learning Behavior Specialist II endorsement as an Assistive Technology Specialist.~~

~~SESE 521— Technology for Students with Disabilities (3)~~

↓

~~SEVI 577— Survey of Assistive Technology for Persons with Visual Impairments (3)~~

~~One of the following (3)~~

~~ETT 510— Instructional Media and Technology (3)~~

↓

~~ETT 573— Instructional Technology Facilities (3)~~

~~Elective courses ... have completed a course or its equivalent.~~

Other Catalog Change

Page 134, 2017-18 Graduate Catalog

Behavior Analyst (18 **21)**

↓

SESE 554 - Applied Behavior Analysis and Positive Behavior Support in School and Community Settings (3)

SESE 570 - Concepts and Principles in Behavior Analysis (3)

SESE 603 - Functional Analysis for Special Educators (3)

↓

Other Catalog Change

Page 134, 2017-18 Graduate Catalog

Behavior Analyst (18)

↓

Director of Special Education (20)

This certificate is designed for school leaders seeking the Director of Special Education endorsement on the Professional Educator License (PEL). It is available to candidates who can document two full years of full-time special education teaching or service as a school social worker, psychologist, or speech language pathologist on a valid PEL. Candidates must have attained a GPA of at least 3.20 in their most recent degree program. Individuals who do not have a master's degree at the start of the program must have completed a master's degree and pass the appropriate content area test prior to recommendation for the Director of Special Education endorsement. Application materials for this certificate are available through the Department of Special and Early Education. The following sequence of courses meets requirements for the Director of Special Education certificate as delineated by the Illinois State Board of Education.

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LEEA 575/SESE 575X - Special Education Finance (3)
LEEA 577 - Administration and Supervision of Special Education (3)
LEEA 726 - Special Education: Leadership and the Law (3)
SESE 592 - Seminar in Special Education (3),
OR SESE 747 - Advanced Seminar in Special Education (3)
SESE 760 - Director of Special Education (3)
SESE 765 - Seminar: Professional Collaboration in Schools (3)
SESE 786 - Internship in Special Education (2)

In addition, candidates who hold an administrative endorsement may request a transcript evaluation through Special and Early Education advising.

Endorsement at the Graduate Level

Special education course work meets all Illinois State Board of Education standards for endorsement to work as a Special Education teacher. This endorsement consists of 18-24 semester hours and is open to licensed teachers. Candidates may apply these hours toward a master's degree in advanced special education practices. Contact the academic adviser for details. The special education endorsement consists of a selected group of courses totaling 18-24 semester hours. This group of courses meets the Illinois State Board of Education standards for the endorsement. It is available to licensed teachers. Candidates may apply these hours toward a master's degree in advanced special education practices. Contact the SEED academic adviser for details.

Other Catalog Change

Page 139, 2017-18 Graduate Catalog

Visual Disabilities **Impairments** (SEVI)

COLLEGE OF ENGINEERING AND ENGINEERING TECHNOLOGY

Department of Electrical Engineering

New Course: 2017-18 Graduate Catalog

CIP Code: 14.1901

701. INDUSTRY RESIDENCY (1-3). ~~Students are required to w~~Work on a project at a sponsoring company site. ~~During this course, Ph.D. students are expected to i~~Identify a workable problem that later may be used as ~~their~~dissertation topics. The student and faculty advisor must prepare a statement of educational objectives that will become part of the student's record. A report that describes the learning experience is also required to be placed in the student's record. PRQ: Consent of department.

New Courses: 2017-18 Graduate Catalog

CIP CODE: 14.1001

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791. DOCTORAL SEMINAR (1). Analysis of selected problems and issues in electrical engineering. Must be taken at least 3 times. PRQ: Candidacy of doctoral degree, or consent of department.

799. DOCTORAL RESEARCH AND DISSERTATION (1-12). Students must accumulate a minimum of 27 semester hours prior to graduation. PRQ: Candidacy for the doctoral degree, and consent of department.

Department of Industrial and Systems Engineering

New Courses: 2017-2018 Graduate Catalog

CIP CODE: 14.3501

701. INDUSTRY RESIDENCY (3). Professional practice in industry that relates to industrial and systems engineering under the guidance of a faculty member. Open only to doctoral students. PRQ: Candidacy of doctoral degree, or consent of department.

795. DOCTORAL SEMINAR (1). Analysis of selected problems and issues in industrial and systems engineering. Must be taken at least 3 times. PRQ: Candidacy of doctoral degree, or consent of department.

799. DOCTORAL DISSERTATION (1-15). Open only to Ph.D. students. May be repeated up to a maximum of 100 semester hours, but no more than 21 semester hours will be applied to the Ph.D. degree. PRQ: Candidacy for the doctoral degree, and consent of department.

Department of Mechanical Engineering

New Courses: 2017-18 Graduate Catalog

CIP CODE: 14.1901

652. TRANSPORT PHENOMENA IN POROUS MEDIA (3) Characteristic behavior of fluid transport in porous media, fundamental theories and governing equations of fluid, heat, and mass transfer in porous media. Analysis of transport phenomena of multi-phase fluid, convective heat and mass. PRQ: Consent of the department.

701. INDUSTRY RESIDENCY (3-6). Professional practice in industry that relates to mechanical engineering under the guidance of a faculty member. Open to doctoral students. ~~The course m~~May be repeated. PRQ: Consent of department.

795. DOCTORAL SEMINAR (1). Analysis of selected problems and issues in mechanical engineering. ~~Course can~~May be repeated. PRQ: Consent of department.

799. DOCTORAL RESEARCH AND DISSERTATION (1-12). Open only to Ph.D. students. May be repeated

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without limit. PRQ: Candidacy for the doctoral degree, and consent of department.

Course Revision: 2017-18 Graduate Catalog

522. DESIGN OF ROBOT MANIPULATORS (3) Mathematics, programming, control algorithms.
PRQ: MEE 211 and MATH 336, MEE 322 or consent of department.

Other Catalog Change 2017-18 Graduate Catalog

Master of Science in Mechanical Engineering

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Requirements for Graduates with a B.S. in Mechanical Engineering

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Thermal-Fluid Engineering – MEE 640, MEE642, MEE 650,
MEE 652, MEE 655, MEE 656, MEE 658

Other Catalog Change (Update course titles in Graduate catalog) 2017-18 Graduate Catalog

CAD/CAM/CAE (12)

↓

ISYE 553 – Integrated Product and Process Design (3)
OR TECH 523 – Automated Manufacturing Systems (3),
OR TECH 525 – Advanced Programmable Electronic Controllers (3),

↓

Department of Technology

All University Section

Interdisciplinary Academic Centers, Institutes, and Courses

Course Revision: Page 325, 2017-18 Graduate Catalog

UNIV 510X. FOUNDATIONS IN HOMELAND SECURITY AND DISASTER PREPAREDNESS (3)
Crosslisted as TECH 532. Introduction to the planning concepts. Enrollment not open to students with
credit in UNIV 310X, TECH 432, or TECH 532.

Inter-College Interdisciplinary Certificates

Other Catalog Change Page 327, 2017-18 Graduate Catalog

Homeland Security

↓

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Core Course (3)

UNIV 510X - Foundations in Homeland Security and Disaster Preparedness (3),
OR TECH 532 - Disaster Preparedness (3)

↓

Department Section

Course Revisions:

Page 160, 2017-18 Graduate Catalog

525. **ADVANCED PROGRAMMABLE ELECTRONIC CONTROLLERS (3)** Basic concepts and skills needed to install, program, and apply programmable electronic controllers in industry. Discrete and analog input/output (I/O) devices and ladder logic will be studied, including basic and intermediate PLC functions. Experiments in operation, programming, and industrial applications with emphasis on discrete I/Os. PRQ: TECH 265 and either PHYS 211 or both TECH 175 and TECH 175A, and either TECH 295 or CSCI 215 or CSCI 240 or consent of department. PLC applications in automation including analog process control, and advanced PLC functions, communications and networking, HMIs, computer based controls and remote I/O systems. Interfacing with sensors and instrumentation. Emphasis on laboratory experiences with communications, networking, remote I/O applications, PC based controls and interfacing. PRQ : TECH 325 or consent of department.

532. DISASTER PREPAREDNESS (3). *Crosslisted as UNIV 510X*. Introduction to concepts. Enrollment not open to students with credit in UNIV 310X, TECH 432, and UNIV 510X.

536. DESIGN AND ADMINISTRATION OF INDUSTRIAL SAFETY PROGRAMS (3) Analysis and application of current problems and trends in safety management systems. Development of topic-specific safety programs and procedures. Preparation of a business case for implementing changes in safety practices. for the design and supervision of model industrial accident prevention programs. PRQ: TECH 231 or TECH 245, TECH 534, or consent of department.

COLLEGE OF HEALTH AND HUMAN SCIENCES

Course Revision

Page 165 2017-18 Graduate Catalog

UHHS 750. ~~FUNDING AND RESEARCH~~ POSITIONING RESEARCH: IDENTIFICATION OF RESEARCH CULTURE AND FUNDING AGENCIES **GRANTMANSHIP SKILLS** (±3). Identify the scientific community, related clinical fields, and funding agencies as consumers of the proposed project and subsequent line of research. Position the research within the identified community and develop milestones to progress in establishing a programmatic line of research. In-depth guided literature searches, on-line explorations of government, non-profit, and public funding sources, **analysis of research problems and specific aims**, critique of literature on funding issues, and facilitated discussions leading to development of a fundable research plan **including budgetary and collaborative implications**. PRQ: UHHS 720 and UHHS 730 **and UHHS 731**; or consent of program.

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Other Catalog Change

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Doctor of Philosophy in Health Sciences

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Research Methods Requirements (12)

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~~UHHS 750 - Funding and Research Positioning Research: Identification of Research Culture and Funding Agencies~~ **Grantmanship Skills (43)**

~~UHHS 751 - Funding and Positioning Research: Grantmanship Skills (1)~~

~~UHHS 752 - Funding and Positioning Research: Ethics and Professional Responsibilities (1)~~

↓

Individualized Program of Study (12)

↓

Additional course work may be required.

Additional Requirements

All students must complete a research ethics milestone prior to admission to the candidacy examination. Students fulfill the requirement by demonstrating competency with ethical decision-making in the context of designing and implementing research for scientific and clinical communities. The research ethics training and assessment are available online.

School of Allied Health and Communicative Disorders

All University Section

A Guide to Reading this Catalog

Other Catalog Change

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Course Designators

↓

~~AHPT~~–Physical Therapy

~~AHRC~~–Rehabilitation Counseling

~~ANTH~~–Anthropology

↓

~~PSYC~~–Psychology

REHB–Rehabilitation Counseling

~~SEAS~~–Southeast Asian Studies

↓

School Section

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New Course

Page 171, 2017-18 Graduate Catalog

CIP Code: 51.0202

AUD 730. ADVANCED TOPICS IN AUDIOLOGY (3). Discussion of advanced topics in audiology, such as application of evidence-based amplification strategies for special populations, critical evaluation and appropriate implementation of new technologies to improve patient care, and maintenance and establishment of relationships with external programs. PRQ: AUD 729 with a grade of B- or better, or consent of school.

New Courses

Page 173, 2017-18 Graduate Catalog

CIP Code: 51.2308

AHPT 619. INTERNAL CLINICAL EXPERIENCE I (1). Practical experiences in a supervised clinical setting in the on campus Physical Therapy Clinic. Examination, evaluation, treatment, and discharge of patients under the supervision of a faculty member. Exposure to case management, evidence-based practice, and the delivery of physical therapy services.

AHPT 623. INTERNAL CLINICAL EXPERIENCE III (1). Practical experience in the ~~on~~-on-campus Physical Therapy Clinic. Examination, evaluation, treatment, and discharge of patients with increasing independence. Case management, evidence-based practice and delivery of physical therapy services. PRQ: AHPT 619 and AHPT 621, or consent of department.

New Course

Page 174, 2017-18 Graduate Catalog

CIP Code: 51.2314

REHB 627. MEDICAL ASPECTS OF DISABILITY (3). Examination of medical classifications, medical terminology, etiology, functional capacity, prognosis, and effects of disabilities on individuals. Analysis of diagnostic systems and medical interventions to provide the rehabilitation counseling professional with skills to determine eligibility, interpret case-related medical reports, consult with medical professionals, and make case-related decisions.

Course Revisions

Page 170 2017-18 Graduate Catalog

AUD 630. AUDITORY AND TINNITUS REHABILITATION (4): ~~Selected topics in auditory rehabilitation with emphasis on the~~ Assessment and management of tinnitus and hyperacusis, the receptive aspects of communication, determination and rehabilitation of communicative function needs, and the psychosocial impact of auditory conditions on adults ~~with tinnitus and/or impaired hearing~~. PRQ: Admission to the Au.D. program and both AUD 629 and CAHC 525 OR ~~AHRC~~ REHB 605X with a grade of B- or better, or consent of school.

~~AHRC~~ REHB 605X. COUNSELING SKILLS AND STRATEGIES (3). *Crosslisted as CAHC 525.*

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- ~~AHRC~~REHB 628. ~~MEDICAL AND~~ PSYCHOSOCIAL ASPECTS OF DISABILITY (43). ...
- ~~AHRC~~REHB 660. FOUNDATIONS OF VOCATIONAL REHABILITATION (3).
- ~~AHRC~~REHB 662. VOCATIONAL ANALYSIS AND JOB PLACEMENT (3).
- ~~AHRC~~REHB 682. THEORIES AND TECHNIQUES OF COUNSELING PEOPLE WITH DISABILITIES (3).
- ~~AHRC~~REHB 683. PSYCHOLOGICAL AND VOCATIONAL ASSESSMENT WITH REHABILITATION POPULATIONS (3).
- ~~AHRC~~REHB 686. PRE-PRACTICUM: REHABILITATION COUNSELING (1-4).
- ~~AHRC~~REHB 690. PRACTICUM: REHABILITATION COUNSELING (1-4). Supervised practicum in rehabilitation counseling in external settings that include vocational rehabilitation programs and related agencies serving persons with disabilities. May be repeated to a maximum of 6 semester hours. PRQ: Admission to the rehabilitation counseling graduate program and ~~AHRC~~REHB 686; or consent of school.
- ~~AHRC~~REHB 694. INTERNSHIP: REHABILITATION COUNSELING (1-12). Clinical experience in a rehabilitation or related facility; student performs the functions of a counselor with persons with disabilities under the direct supervision of both faculty and qualified staff at the placement site. May be repeated to a maximum of 12 semester hours. PRQ: Admission to rehabilitation counseling graduate program and ~~AHRC~~REHB 690; or consent of school.
- ~~AHRC~~REHB 777. SEMINAR: REHABILITATION COUNSELING (3).

Course Revisions

Page 173-174 2017-18 Graduate Catalog

- AHPT 620. TOPICS IN CLINICAL EDUCATION EXPERIENCE I (1).
- AHPT 621. INTERNAL CLINICAL EXPERIENCE II (1).
- AHPT 622. EXTERNAL CLINICAL EXPERIENCE III (3).
- AHPT 639. EVALUATION AND TREATMENT OF MUSCULOSKELETAL DISORDERS (4). Physical therapy examination, evaluation, and treatment of individuals with musculoskeletal dysfunction of the extremities and lumbar spine. Emphasis on clinical decision making using evidence-based practice. PRQ: Consent of school.
- AHPT 641. PHYSICAL THERAPY MANAGEMENT OF COMPLEX MUSCULOSKELETAL DISORDERS (4). Physical therapy examination, evaluation, and treatment of individuals with complex

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problems of the musculoskeletal **dysfunction of the spine** system. Emphasis on clinical decision making using evidence-based practice. PRQ: Consent of school.

AHPT 660. **EXTERNAL** CLINICAL EXPERIENCE **IVII** (4).

AHPT 701. **INTERNAL CLINICAL EXPERIENCE IV** ~~PROFESSIONAL ROLES IN PHYSICAL THERAPY~~ (1).

AHPT 760. **EXTERNAL** CLINICAL EXPERIENCE **VIII** (5).

AHPT 761. **EXTERNAL** CLINICAL EXPERIENCE **IVII** (5).

Other Catalog Change Page 166 2017-18 Graduate Catalog

School of Allied Health and Communicative Disorders (AHCD, AHPT, ~~AHRC~~, AUD, COMD)

Note: AHRC/REHB courses are to be moved to the School of Interdisciplinary Health Professions.

Other Catalog Change Page 167 2017-18 Graduate Catalog

Master of Science in Rehabilitation Counseling

Admission

↓

A maximum of 12 semester hours ... exceed 12 semester hours.

An accelerated B.S. in Rehabilitation ~~& and~~ Disability Services/M.S. in Rehabilitation Counseling program is available. See ~~undergraduate~~ **Undergraduate Catalog** for requirements.

Course Requirements

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Other Catalog Change Page 168 2017-18 Graduate Catalog

Master of Science in Rehabilitation Counseling

↓

Course Requirements

Students must complete a minimum of ~~48~~**56** semester hours to complete the degree. Because this for the Commission on Rehabilitation Counselor Certification Examination.

CAHC 510 - Counseling Interventions across the Lifespan (3)

CAHC 525 - Counseling Skills and Strategies (3),

OR ~~AHRC~~**REHB** 605X - Counseling Skills and Strategies (3)

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- CAHC 540 - Group Counseling Theories and Procedures (3)
- CAHC 565 - Multicultural Counseling (3)
- ETR 520 - Introduction to Research Methods in Education (3)
- REHB 627 - Medical Aspects of Disability (3)
- AHRCREHB 628 - Medical and Psychosocial Aspects of Disability (43)
- AHRCREHB 660 - Vocational Rehabilitation and Independent Living (3)
- AHRCREHB 662 - Vocational Analysis and Job Placement (3)
- AHRCREHB 682 - Counseling Theories and Techniques with People with Disabilities (3)
- AHRCREHB 683 - Psychological and Vocational Assessment with Rehabilitation Populations (3)
- AHRCREHB 686 - Pre-Practicum: Rehabilitation Counseling (4)
- AHRCREHB 690 - Practicum: Rehabilitation Counseling (4)
- AHRCREHB 694 - Internship: Rehabilitation Counseling (12)
- AHRCREHB 777 - Seminar: Rehabilitation Counseling (3)

↓

Grading Policies for Clinical Courses

Students must make satisfactory progress in clinical practicum and internship courses. Students who earn two grades of C or lower in clinical practicum courses (i.e., AHRCREHB 686, AHRCREHB 690, or AHRCREHB 694) will be dismissed from the graduate program.

Other Catalog Change

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Doctor of Audiology

↓

Requirements

Students must complete the following.

CAHC 525/AHRCREHB 605X - Counseling Skills and Strategies (3)

↓

AUD 729 - Amplification II (3)

AUD 730 - Advanced Topics in Audiology (3)

AUD 773 - Seminar in Audiology (4)

AUD 775 - Cochlear Implants

↓

Other Catalog Change

Page 169-170 2017-18 Graduate Catalog

Doctor of Physical Therapy

↓

The faculty A student must, with or without reasonable accommodation, possess these technical skills upon admission to the physical therapy program.

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Full-time clinical experiences are an integral part of the curriculum, providing the student opportunities to apply academic knowledge under the supervision of skilled physical therapists. Clinical experiences, offered throughout the United States, are scheduled by the NIU physical therapy faculty. Students are required to complete **at least the CAPTE minimum number of two full-time six-weeks of clinical education** experiences, ~~as well as two full-time eight-week clinical experiences.~~ Specific clinical sites may require background checks and/or drug testing.

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Admission

↓

A minimum 3.00 GPA (on a 4.00 scale) in the following prerequisite courses:

~~AHPT 405—Physical Therapy and the Rehabilitation Process (3)~~

3 semester hours of general psychology

↓

Provisional acceptance...

~~Physical therapists with the following credentials can request a waiver of up to 2 semester hours in AHPT 744: American Board of Physical Therapy Specialties (ABPTS) awarded Specialist Certification; American Physical Therapy Association (APTA) credentialed fellowship program. See adviser for additional information.~~

Program Requirements

Students must complete a minimum of 105 ~~7~~ semester hours from the following

↓

AHPT 618 - Pharmacology for Physical Therapists (2)

AHPT 619 - Internal Clinical Experience I (1)

AHPT 620 - ~~Topics in Clinical Education Experience I (1)~~

AHPT 621 - ~~Internal Clinical Experience II (1)~~

AHPT 622 - ~~External Clinical Experience III (3)~~

AHPT 623 - Internal Clinical Experience III (1)

AHPT 636 - Physical Therapy Management of Individuals with Acute medical problems (3)

↓

AHPT 660 - ~~External Clinical Experience IV (4)~~

AHPT 701 - ~~Professional Roles in Physical Therapy~~ **Internal Clinical Experience IV (1)**

↓

AHPT 760 - ~~External Clinical Experience V (5)~~

AHPT 761 - ~~External Clinical Experience VI (5)~~

↓

BIOS 546 - Gross Human Anatomy (6)

~~HSCI 560—Research Methods in Health and Human Sciences (3)~~

Grading Policies

↓

~~Transitional D.P.T. (t-DPT)~~

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~~The transitional program is AHRC 628, and BIOS 546.~~

School of Family and Consumer Science

New Course Page 179, 2017-18 Graduate Catalog

CIP Code: 19.0706

540. THERAPEUTIC PLAY (3). The meaning of play will be explored across cultures and contexts. Exploration of play theories, principles of play therapy, and various play modalities for the clinical setting. The functions of play therapy will be covered including: developmentally supportive play, normalization of atypical experiences, and supporting parent-child relationships. PRQ: Consent of ~~School~~school.

New Course Page 179, 2017-18 Graduate Catalog

CIP Code: 51.1505

577. DOMESTIC VIOLENCE AND TRAUMA IN THE FAMILY (3). Overview of violence and maltreatment in intimate relationships across the lifespan including the impact on the family, and consequences for children and their future relationships. The history and societal response to violence and maltreatment in intimate relationships. PRQ: Six semester hours in HDFS courses, or ~~Consent~~consent of ~~School~~school.

Other Catalog Change Page 176 2017-18 Graduate Catalog

Master of Science in Applied Human Development and Family Sciences

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Requirements

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Three or four of the following including at least one 600-/700- level course (9-12)

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HDFS 539 - Infant Development in the Family: Typical and Atypical (3)

HDFS 540 - Therapeutic Play (3)

HDFS 545 - Management of Human and Family Resources (3)

HDFS 577 - Domestic Violence and Trauma in the Family (3)

↓

HDFS 784 - Theoretical Foundations of Family Therapy (3)

PHHE 510 - Coping with Death, Dying, and Loss (3)

School of Health Studies

Course Revisions Page 188 2017-18 Graduate Catalog

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PHHE 613. PRINCIPLES AND METHODS OF EPIDEMIOLOGY (3). Presentation, and discussion, and practice of descriptive and analytic epidemiological of the principles and methods, including of the design, conduct, and interpretation of epidemiological studies. Focus on the evaluation and interpretation of the validity of findings from published epidemiological research. Examples from national and international vital statistics and published public health and epidemiological research biomedical literature used to illustrate concepts, methods, and interpretation. PRQ: PHHE 605 and consent of school.

PHHE 631. COMMUNITY HEALTH PROMOTION PROGRAMS (3). Overviewactivities. PRQ: PHHE 624 603 and consent of school.

PHHE 698. MASTER'S COMPREHENSIVE EXAMINATION OF PUBLIC HEALTH INTEGRATIVE LEARNING EXPERIENCE (1-3). Independent culminating written project, that is a synthesis of public health core and specialization competencies, completed over a time period specified by the school. May be repeated only once. S/U grading. PRQ: PHHE 669, and e Consent of school.

Other Catalog Change

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Master of Public Health (M.P.H.)

↓

Admission

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Procedures for admission to the program and other detailed information are available from the public health and health education programs office.

Requirements for Accelerated B.S./M.P.H. Sequence

The accelerated sequence leads to both the B.S. in public health and M.P.H. degrees, and is available to all undergraduate public health majors who have:

A declared major in Public Health

Finished 92 credit hours of undergraduate designated coursework as approved by adviser

Maintained a GPA of at least 3.00

Completed all application requirements, including transcripts, letters of recommendation, statement of purpose, resume/curriculum vitae.

Failure to meet requirements of the accelerated sequence may lead to a B.S. degree only, but only after all the requirements for that degree have been met.

Students must complete all the admission requirements for the Public Health B.S. accelerated degree as well as all general education requirements prior to the applicant's final undergraduate year and have earned at

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least 92 credit hours. Beginning with the first semester of their final undergraduate year, students will start taking classes in the M.P.H. program as well as completing final university requirements. Successful completion of year 4 courses will count towards the final 28 credits of the undergraduate degree.

Students are required to fulfill all requirements for the M.P.H. degree mentioned in the previous section in order to be awarded this degree.

Grading Policy

Other Catalog Change

Page 184 2017-18 Graduate Catalog

Master of Public Health (M.P.H.)

↓

Requirements

↓

PHHE 698 - ~~Master's Comprehensive Examination~~ **Master of Public Health Integrative Learning Experience (1-3)**

School of Interdisciplinary Health Professions

New Courses

2017-18 Graduate Catalog

CIP Code: 51.0000

HSCI 567. INTERNSHIP IN HEALTH SCIENCES (3-6). Hands-on learning experiences to develop the attributes to perform successfully in a health sciences career as manager, educator, or leader. Supervised participation in field-based professional development activities to supplement theoretical background. May be repeated to a maximum of 6 semester hours with a minimum of 30 clock hours per credit. PRQ: Admission to Health Sciences graduate program or consent of program.

HSCI 640. COMMUNICATION FOR HEALTH PROFESSIONALS (3). Principles, guidelines, and skills for effective and ethical communication for future and practicing clinicians, educators, and administrators in health settings. Topics include strategies for interaction with peers, employees, patients, clients, and students, communicating as a leader, and the relationship between communication practices and quality outcomes. PRQ. Admission to CHHS graduate program or consent of program.

New Course

2017-18 Graduate Catalog

CIP Code: 51.0702

HSCI 600. SEMINAR: TOPICS IN HEALTH SCIENCES (1-3). In-depth exploration of topics within focus areas associated with the interdisciplinary study of practice and management in health-related professions. May be repeated for a maximum of 3 semester hours provided the focus of the seminar topic varies from

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semester to semester. PRQ: CHHS graduate student or consent of program.

New Course

Page 172, 2017-18 Graduate Catalog

CIP Code: 51.99

HSCI 698. COMPREHENSIVE EXAMINATION (1). Fulfilled by completion, submission, and successful written defense of a portfolio of student work that demonstrates competency in the core courses of the program and includes a professional development plan. S/U grading may be used. PRQ: Completion of 21 ~~credit semester~~ hours toward the M.S. in Health Sciences and consent of program.

Other Catalog Change

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School of Interdisciplinary Health Professions (AHC, HSCI, REHB)

School of Nursing

Course Revision

Page 197 2017-18 Graduate Catalog

704. CLINICAL PREVENTION ~~IN ADVANCED NURSING~~ **FOR POPULATION HEALTH** (3). In-depth analysis of population health and its dimensions. Exploration of models and strategies for clinical prevention to promote health, reduce risks, and prevent illnesses. Examination of the relationships between healthcare delivery models and health outcomes. Emphasis will be placed on **leadership in advanced nursing practice and in other disciplines** ~~leadership~~ in designing, implementing, and evaluating clinical prevention services. PRQ: NURS 701; or consent of school.

Course Revisions

Page 198 2017-18 Graduate Catalog

710. ~~SCHOLARLY DNP PROJECT I: SEMINAR~~ **SCHOLARLY DNP PROJECT I: SEMINAR** (3) Assessment and planning of the ~~capstone~~ **capstone Scholarly DNP Project** to address an emerging or current healthcare practice problem or issue in a specific healthcare setting. Development of project proposal. PRQ: NURS 704 and NURS 705 and NURS 706; or consent of school. CRQ: NURS 713 or consent of school.

713. ~~SCHOLARLY DNP PROJECT I: PRACTICUM CLINICAL~~ **SCHOLARLY DNP PROJECT I: PRACTICUM CLINICAL** (2). ~~Clinical immersion~~ **Clinical immersion Practice experiences, practice hours and collaborative partnerships** in a healthcare setting for purposes of assessing and planning the ~~capstone DNP evidence-based Scholarly Project that addresses an emerging or current healthcare practice issue in that setting.~~ **capstone DNP evidence-based Scholarly Project that addresses an emerging or current healthcare practice issue in that setting.** ~~and affording practice opportunities to apply, integrate and synthesize the DNP Essentials.~~ **and affording practice opportunities to apply, integrate and synthesize the DNP Essentials.** ~~DNP Project planning~~ **DNP Project planning** ~~Activities will be focused on: gathering system data, collaborating with stakeholders, and developing strategies for project~~ **Activities will be focused on: gathering system data, collaborating with stakeholders, and developing strategies for project** ~~changes that impact healthcare outcomes with a systems or population focus, demonstrate practice-implementation, a plan for real sustainability and evaluation,~~ **changes that impact healthcare outcomes with a systems or population focus, demonstrate practice-implementation, a plan for real sustainability and evaluation,** ~~and a foundation for future practice scholarship.~~ **and a foundation for future practice scholarship.** CRQ: NURS 710 or consent of school.

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720. ~~SCHOLARLY DNP PROJECT II: SEMINAR~~ (3). Implementation of the proposed ~~capstone Scholarly DNP Project to address implementation and completion.~~ PRQ: NURS 710 or consent of school. CRQ: NURS 723 or consent of school.

723. ~~SCHOLARLY DNP PROJECT II: CLINICAL PRACTICUM~~ (2). ~~Clinical immersion Practice experiences, practice hours and collaborative partnerships~~ in a healthcare setting for purposes of implementing the ~~capstone Scholarly DNP Project that addresses an emerging or current healthcare practice problem or issue in that setting~~ and ~~affording practice opportunities to apply, integrate and synthesize the DNP Essentials.~~ DNP project ~~Activities will focus on implementing the proposed plan while collaborating with stakeholders, and developing strategies to obviate unforeseen barriers to project implementation.~~ PRQ: NURS 713 or consent of school. CRQ: NURS 720 or consent of school.

730. ~~SCHOLARLY DNP PROJECT III: SEMINAR~~ (3). Evaluation and reporting of the ~~capstone Scholarly DNP Project to address a healthcare setting.~~ PRQ: NURS 720 or consent of school. CRQ: NURS 733 or consent of school.

733. ~~SCHOLARLY DNP PROJECT III: PRACTICUM CLINICAL~~ (2). ~~Clinical immersion Practice experiences, practice hours and collaborative partnerships~~ in a healthcare setting for purposes of evaluating the ~~capstone Scholarly DNP Project and affording practice opportunities to apply, integrate and synthesize the DNP Essentials.~~ DNP project ~~that addresses an emerging or current healthcare practice issue in that setting.~~ ~~Activities will be focused on final analysis of outcome data, collaborating with stakeholders, and developing strategies to address unforeseen barriers during evaluation.~~ PRQ: NURS 723 or consent of school. CRQ: NURS 730 or consent of school.

Other Catalog Change

Pages 192 and 194 2017-18 Graduate Catalog

Requirements

Core Courses - Required for all Nursing M.S. and Post-Bachelor's D.N.P. Students (26-27)

↓

NURS 704 - Clinical Prevention ~~in Advanced Nursing~~ **for Population Health** (3)

NURS 706 - Informatics for Evidence-Based Nursing (3)

↓

Doctor of Nursing Practice (D.N.P.)

↓

D.N.P. Leadership Component Courses (35)

Core Courses (20)

↓

NURS 704 - Clinical Prevention ~~in Advanced Nursing~~ **for Population Health** (3)

↓

Other Catalog Change

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Doctor of Nursing Practice (D.N.P.)

↓

Post-Master's Degree D.N.P.:

↓

Scholarly Project Courses for DNP (15)

- NURS 710 - ~~Scholarly~~ **DNP** Project I: Seminar (3)
- NURS 713 - ~~Scholarly~~ **DNP** Project I: **Practicum** ~~Clinical~~ (2)
- NURS 720 - ~~Scholarly~~ **DNP** Project II: Seminar (3)
- NURS 723 - ~~Scholarly~~ **DNP** Project II: **Practicum** ~~Clinical~~ (2)
- NURS 730 - ~~Scholarly~~ **DNP** Project III: Seminar (3)
- NURS 733 - ~~Scholarly~~ **DNP** Project III: **Practicum** ~~Clinical~~(2)

COLLEGE OF LIBERAL ARTS AND SCIENCES

Course Revisions

Page 202, 2017-18 Graduate Catalog

LGBT ~~600~~ **610X**. RESEARCH IN WOMEN'S, GENDER, AND SEXUALITY STUDIES (3). *Crosslisted as WGST ~~600~~ 610*. Interdisciplinary analysis of

LGBT ~~650~~ **600**. LESBIAN, GAY, BISEXUAL, AND TRANSGENDER STUDIES (3).

LGBT ~~660~~ **620**. SPECIAL TOPICS IN LGBT STUDIES (3).

Course Revisions

Page 203, 2017-18 Graduate Catalog

WGST ~~600~~ **610**. RESEARCH IN WOMEN'S, GENDER, AND SEXUALITY STUDIES (3). *Crosslisted as LGBT ~~600~~ 610X*. Interdisciplinary analysis

WGST ~~610~~ **620**. TOPICS IN WOMEN'S AND GENDER STUDIES (3).

WGST ~~620~~ **605**. FEMINIST THEORY (3). Concepts, methods, and development of feminist theories; systematic overview of schools of feminist

WGST 639. INDEPENDENT STUDY IN WOMEN'S AND GENDER STUDIES (1-3). Student must present research prospectus approved by a faculty member before a permit is granted. PRQ: WGST ~~600~~ **610** and WGST ~~620~~ **605** or consent of the director of the Center for the Study of Women's, Gender, and Sexuality.¹

Other Catalog Change

Page 199-200, 2017-18 Graduate Catalog

Law and Women's and Gender Studies

↓

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Requirements (12)

↓

I. WGST 620 605 - Feminist Theory (3)

↓

WGST 610 620⁵ - Topics in Women's and Gender Studies (3)

WGST 625X - Museums: Gender, Race, and Class (3)

WGST 600 610 - Research in Women's, Gender, and Sexuality Studies (3)

WGST 639⁵ - Independent Study in Women's and Gender Studies (1-3)

Other Catalog Change

Page 199-201, 2017-18 Graduate Catalog

Law and Women's and Gender Studies

↓

Requirements (12)

↓

IV. One of the following (2-4) or an additional course from Section II

↓

CAHC 595 - ~~Women and Careers~~ Career Counseling and Development in a Multicultural Society (3)

↓

Women's and Gender Studies

↓

Requirements (12)

↓

Two of the following (6)

↓

CAHC 595 - ~~Women and Careers~~ Career Counseling and Development in a Multicultural Society (3)

CAHC 766 - Human Sexuality Counseling (3)

Other Catalog Change

Page 200-201, 2017-18 Graduate Catalog

Lesbian, Gay, Bisexual, and Transgender Studies (12)

↓

Two of the following (6)

↓

CAHC 594 - Counseling the Lesbian, Gay, Bisexual, ~~and Transgendered~~ and Queer Community (3)

↓

Women's and Gender Studies (12)

↓

Two of the following (6)

↓

CAHC 594 - Counseling the Lesbian, Gay, Bisexual, ~~and Transgendered~~ and Queer Community (3)

Other Catalog Change

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Lesbian, Gay, Bisexual, and Transgender Studies (12)

↓

Requirements (12)

LGBT ~~650~~ 600 - Lesbian, Gay, Bisexual, and Transgender Studies (3)

One of the following (3)

ILAS 602 - Internship (3), or an equivalent internship course approved by the coordinator. The internship experience must include activities related to LGBT Studies.

LGBT ~~600~~ 610X - Research in Women's, Gender and Sexuality Studies (3)

Two of the following³ (6)

↓

WGST ~~610~~ 620² - Topics in Women's and Gender Studies (3)

WGST ~~620~~ 605 - Feminist Theory (3)

Other Catalog Change

Page 201, 2017-18 Graduate Catalog

Women's and Gender Studies (12)

↓

Requirements (12)

WGST ~~600~~ 610 - Research in Women's, Gender, and Sexuality Studies (3)

WGST ~~620~~ 605 - Feminist Theory (3)

↓

LGBT ~~650~~ 600 - Lesbian, Gay, Bisexual, and Transgender Studies (3)

↓

WGST ~~610~~ 620 - Topics in Women's and Gender Studies (3)

↓

Department of Anthropology

Course Deletions

Page 205-207, 2017-18 Graduate Catalog

502. PEOPLES AND CULTURES OF THE PACIFIC ISLANDS (3).

503. PEOPLES AND CULTURES OF AFRICA SOUTH OF THE SAHARA (3).

505. PEOPLES OF MESOAMERICA (3).

510. ARCHAEOLOGY OF AFRICA (3).

511. ARCHAEOLOGY OF EUROPE (3).

519. ARCHAEOLOGY OF MEDITERRANEAN CIVILIZATIONS (3).

542. BIOCULTURAL PERSPECTIVES ON THE HUMAN SKELETON (3).

566. HUNTERS-GATHERERS AND THE TRANSITION TO FOOD PRODUCTION (3).

570. CHINESE ARCHAEOLOGY (3).

571. ANCIENT ENVIRONMENTS AND HUMAN TECHNOLOGY (3).

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New Courses

Page 206, 2017-18 Graduate Catalog

CIP: 45.0201

510. ENVIRONMENTAL ARCHAEOLOGY (3). Introduction to methods and theories relevant to analysis and interpretation of past human-environment interactions, by examination of historical and current theoretical literature. Emphases on outlining the kind of environmental data that survives in the archeological record (geological, botanical, faunal, chemical), recovery and analytical methods, and inferences made from these data to understand human-environment dynamics. Topical themes include the use of archeological sites as paleoenvironmental archives, plant and animal domestication, human impacts on ancient environments, and cultural collapse/resilience.

511. SETTLEMENT OF THE AMERICAS (3). Introduction to initial human settlement of the western hemisphere. Major themes include: Chronology and migration routes of early settlement; important archeological sites in North, Central, and South America, environmental and landscape change, human impacts on environments, theories of human biogeography (migration and colonization), and current methods accelerating the pace of discoveries.

516. HUMAN MIGRATION (3). Examines key events in human development and landscape evolution that led to successful migrations. Compares human migration episodes in different times and places, and discusses questions related to why humans move, environmental constraints and opportunities to human movement, hominid species similarities and differences with respect to inhabited ranges and migration patterns, and the role of evolution and technological development.

566. RESOURCE CONFLICTS AND ENVIRONMENTAL PEACEBUILDING (3). Interdisciplinary examination of resource conflict and environmental peacebuilding through case studies around the world. Investigates how different material, geographical, and sociopolitical factors exacerbate conflicts and provide opportunities for peacebuilding. Course materials include ethnographic books, scholarly articles, news reports, and films.

Course Revision

Page 208, 2017-18 Graduate Catalog

596X. HISTORY AND SOCIAL SCIENCE INSTRUCTION FOR SECONDARY **AND MIDDLE GRADES** EDUCATORS (3). *Crosslisted as ECON 596X, GEOG 596X, HIST 596, POLS 596X, PSYC 596X, and SOCI 596X.* Organization and presentation of materials for history and social science courses at **the middle grades** and secondary levels. PRQ: Admission to the history or social science secondary **or middle grades** ~~teacher education~~ **educator licensure** program and permission of the Department of History's office of secondary ~~teacher education~~ **educator licensure**.

Department of Computer Science

New Courses

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CIP Code: 11.0202

504. PROGRAMMING PRINCIPLES IN .NET (3). Comprehensive introduction to windows programming and server-side web programming using the Microsoft .NET development platform. Topics include programming in the C# language, the .NET Common Language Runtime, .NET Framework classes, ADO.NET, ASP.NET, Web Service, and cryptographic techniques. By the end of this course, students are expected to be able to build interactive Windows and Web applications with database storage. Extensive laboratory work. May not be taken by students with undergraduate credit for CSCI 473. PRQ: Admission to the graduate program in computer science or consent of department.

629. SCIENTIFIC VISUALIZATION (3). Computer-based design approaches and techniques for manipulating and visualizing data as it relates to scientific visualization. A variety of data sources and corresponding visualization techniques will be examined covering scientific and medical data. Tools at all levels will be used, ranging from off-the-shelf desktop software to homegrown solutions. Basic familiarity with computers is necessary. Extensive laboratory work. PRQ: CSCI 627 or consent of department.

New Course

Page 226, 2016-17 Graduate Catalog

CIP Code: 11.0101

601. THEORY OF COMPUTATION (3). Introduction to automata theory, formal languages, and computability theory with an emphasis on how these topics relate to computer and computer programs. May not be taken by students with undergraduate credit for CSCI 401.

614. VIDEO GAME DESIGN AND DEVELOPMENT (3). Introduction to the theory and practice of video game design and programming. Integration of a number of components from the discipline of computer science, in particular; computer graphics, human computer interaction, networking, artificial intelligence, computer aided instruction, computer architecture, software engineering and databases. Students will work on both individual and group projects in the design and development of video games. Extensive laboratory work. PRQ: CSCI 630 or consent of department.

627. DATA VISUALIZATION (3). Introduction to data visualization with a focus on computer-based design approaches and techniques for manipulating and visualizing data. A variety of data sources and corresponding visualization techniques will be examined as an introduction to data analytics with topics including but not limited to scientific, social sciences, and medical data. Tools at all levels will be used, ranging from off-the-shelf desktop software to homegrown solutions. Extensive laboratory work. CRQ: CSCI 501 or CSCI 502 or CSCI 503 or CSCI 504 or CSCI 505 or consent of department.

628. INFORMATION VISUALIZATION (3). Focus on advanced theory and methods for manipulating and visualizing the data of non-physical systems. Concentrates on the transformation of multiple data sources and how the data can be integrated into a single source of information. Emphasis on the advanced study of the latest information visualization techniques developed by the research community. A computer programming background is required. Extensive laboratory work. PRQ: CSCI 627 or consent of department.

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641. BIG DATA ANALYTICS (3). Surveys the foundations of big data analytics, reviews relevant research, and introduces the algorithms and methods used to derive valuable predictions and insights from data. Merging theory with practice, it covers foundational topics while providing hands-on practical experience with useful languages, toolkits, and frameworks. Topics include, but are not limited to: big data management and processing techniques, algorithms for big data analytics, social media mining, recommendation systems, statistical methods, and models. Extensive laboratory work. CRQ: CSCI 503 or consent of department.

799. DOCTORAL RESEARCH AND DISSERTATION (1-15). May be repeated to a maximum of 60 semester hours. Student must accumulate 24 semester hours prior to graduation. S/U grading. PRQ: Candidacy for the doctoral degree and consent of chair of doctoral committee or consent of department.

New Course

Page 226, 2016-17 Graduate Catalog

CIP Code: 11.0803

632. ADVANCED COMPUTER GRAPHICS (3). Advanced algorithms and techniques in computer graphics. Topics include acceleration structures, radiometry, high dynamic range (HDR) rendering, camera models, adaptive sampling, reflection models, noise generation, light transport models, global illumination, procedural model generation, procedural animation. Topics will also be taken from current research literature. Strong programming component with a focus on algorithm implementation. Extensive laboratory work. PRQ: CSCI 501 and CSCI 630 or CSCI 631; or consent department.

New Course

Page 226, 2016-17 Graduate Catalog

CIP Code: 11.0201

642. INFORMATION STORAGE AND RETRIEVAL (3). Theory, design, implementation and evaluation of information retrieval systems and techniques. Covers web crawlers, link-based ranking algorithms, retrieval models, relevance feedback, text indexing, text categorization, digital libraries, search engines, and web search. Extensive laboratory work. CRQ: CSCI 503 or consent of department.

Other Catalog Change

Page 223, 2017-18 Graduate Catalog

Master of Science in Computer Science

For admission to the master's program in computer science, students must have a bachelor's degree in computer science or a closely related field. Students without such a background may also be admitted, but may be required to take deficiency courses and earn a grade of B or higher in each. Deficiencies should be resolved in the first year and do not normally carry graduate credit toward the degree.

Students pursuing the M.S. in computer science must complete at least ~~ten graduate-level courses of 3 or 4 semester hours each~~ 31 semester hours. At least ~~eight of the ten required courses must be in the Department~~

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~~of Computer Science. Students must obtain prior departmental approval to apply courses not offered by the Department of Computer Science to their programs of study~~ have the option of completing the M.S. degree in computer science by taking only courses or by combining course work with a master's thesis.

Students who are planning to continue their studies through the department's doctoral program must choose the thesis option. ~~For S~~ students who write a master's thesis, may receive credit for up to 6 semester hours of CSCI 699 ~~will count as two of the ten courses required.~~

A program of study Department of Computer Science.

Students must obtain prior departmental approval to apply courses not offered by the Department of Computer Science to their programs of study. No more than 8 credit hours may be taken outside the Department of Computer Science.

Check departmental information for any additional requirements.

The student learning outcomes for this degree are located at
[http:// www.niu.edu/assessment/clearinghouse/outcomes/index.shtml](http://www.niu.edu/assessment/clearinghouse/outcomes/index.shtml).

Required Courses (15-17)

~~CSCI 689—Object Oriented Design and Programming (3)~~

~~Students must complete two two-semester areas of study, as indicated below (12-14):~~

~~Enterprise Computing Systems~~

~~‡~~

~~Contracted Area~~

~~Two courses of at least 3 semester hours each, designated by the Director of Graduate Studies in consultation with the student and a supervising faculty member~~

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Requirements (31)

Students must complete the required number of hours in each of the following areas:

- I. Survey (1)
- II. Programming (3)
- III. Systems (3)
- IV. Theory (3)
- V. Specializations (6)
- VI. Electives (15)

Total (31)

Graduate-level courses for which there exists an undergraduate equivalent (typically courses that are offered as 400/500 courses) shall not constitute more than 50% of the hours applied toward a master's degree.

Details for each category are listed below.

I. Survey

Students must complete the following course:

CSCI 600 - Big Ideas in Computer Science (1)

II. Programming

Students must complete one course from the following or substitute another course with departmental approval.

- CSCI 501 - Programming Principles in C++ (3)
- CSCI 502 - Programming Principles in Java (3)
- CSCI 503 - Programming Principles in Python (3)

III. Systems

Students must complete one course from the following:

- CSCI 511 - Database Concepts (3)
- CSCI 512 - Computer Networks (3)
- CSCI 513 - Software Engineering (3)
- CSCI 514 - Operating Systems (3)
- CSCI 515 - Principles of Compilers (3)

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IV. Theory

Students must complete one course from the following:

- CSCI 601 - Theory of Computation (3)
- CSCI 602 - Design and Analysis of Algorithms (3)

V. Specializations

Students must complete two courses from the following:

Data Analytics:

- CSCI 636 - Pattern Recognition and Data Mining I (3)
- CSCI 639 - Network Theory (3)
- CSCI 641 - Big Data Analytics (3)
- CSCI 642 - Information Storage and Retrieval (3)
- CSCI 646 - Modeling and Simulation (3)
- CSCI 656 - Artificial Intelligence (3)
- CSCI 657 - Natural Language Processing I (3)

Graphics and Visualization:

- CSCI 626 - Human Computer Interaction (3)
- CSCI 627 - Data Visualization (3)
- CSCI 630 - Computer Graphics Modeling (3)
- CSCI 631 - Computer Graphics Rendering (3)
- CSCI 633 - Digital Image Processing and Analysis (3)

High Performance Computing:

- CSCI 661 - Parallel and Distributed Programming Models (3)
- CSCI 662 - Programming Non-Traditional Architectures (3)

Bioinformatics:

- CSCI 651 - Graph Theory and Applications (3)
- CSCI 652 - Algorithmic Bioinformatics I (3)

VI. Electives

Students must complete sufficient semester hours of electives to fill out their program. Elective course work includes CSCI courses in the range 500-798 that have not been used to satisfy another requirement. Students may take up to 8 semester hours from other departments in courses relevant to the student's program, subject to department approval.

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Students who are planning to continue through the department's doctoral program must take CSCI 701 - Research Methods in Computer Science, as one of their electives of the M.S. in Computer Science, preferably as early as possible.

Department of Economics

All University Section

Admission to Graduate Study

Other Catalog Change

Page 20, 2017-18 Graduate Catalog

Admission to Accelerated Baccalaureate/Master's Degree Programs

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Accelerated baccalaureate/master's degree programs are available in the following majors:

Economics

Electrical Engineering

Industrial and Systems Engineering

↓

Sociology

Descriptions of program and admission requirements for these programs are available in the Undergraduate Catalog.

New Course

Page 227, 2017-18 Graduate Catalog

CIP: 45.0601

515. SPORTS ECONOMICS (3). The application of microeconomic analysis to the understanding of the market for professional and amateur sports. Topics include the industrial organization of sports markets, competitive balance in sports, public finance of sports facilities, labor markets and discrimination in sports, and amateur and college sports. Not open to students who are economics majors or students who have taken ECON 315 or its equivalent. PRQ: ECON 260 or consent of department.

592. RESEARCH METHODS IN ECONOMICS (3). Analysis of societal issues in an economic framework; use of library, Internet, and computer resources to conduct research; and organizing and writing an effective research paper. Students write a substantial research paper on a topic of their choice and present their findings to the class. PRQ: Admission to accelerated BS-MA program in Economics and consent of department.

Course Revision

Page 228, 2017-18 Graduate Catalog

596X. HISTORY AND SOCIAL SCIENCE INSTRUCTION FOR SECONDARY AND MIDDLE

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GRADES EDUCATORS (3). *Crosslisted as ANTH 596X, GEOG 596X, HIST 496 596, POLS 596X, PSYC 596X, and SOCI 596X.* The organization and presentation of materials for history and social science courses at the middle grades and secondary levels. PRQ: Admission to the history or social science secondary or middle grades teacher education educator licensure program and permission of the Department of History's office of secondary teacher education educator licensure.

Department of English

Other Catalog Change

Page 230, 2017-18 Graduate Catalog

Master of Arts in English

↓

Areas of Study

↓

Film and Literature

ENGL 601¹ - Bibliography and Methods of Research (3)

~~ENGL 604⁺ - Topics in Materials for the English Language Arts Classroom Credits (3)~~

ENGL 690 - Film and Literature (3)

ENGL 691 - Topics in Film and Literature (3)

~~Electives in modern British and American literature, rhetoric, or theory and criticism. Course work in the communication studies, instructional technology, history, and /or philosophy may be used as electives with consent of adviser (24).~~

At least one course from the following

Literary Criticism and Theory, History of the Language, or Traditions of Rhetoric (3):

ENGL 602A - Literary Theory and Criticism: History of Literary Theory (3)

ENGL 602B - Literary Theory and Criticism: Contemporary Literary Theory (3)

ENGL 602C - Literary Theory and Criticism: Interpretation of Literary Texts (3)

ENGL 602D - Literary Theory and Criticism: Feminist Literary Theory and Criticism (3)

ENGL 603 - Traditions in Written Rhetoric (3)

ENGL 611 - History of the English Language (3)

ENGL 612 - Old English (3)

ENGL 613 - Middle English (3)

At least one course from the following

British or American Literature to 1900 (3):

ENGL 635 - Middle English Literature (3)

ENGL 636 - Beowulf (3)

ENGL 637 - Chaucer (3)

ENGL 638 - 16th Century Prose and Poetry (3)

ENGL 639 - English Drama to 1600 (3)

ENGL 640 - English Drama: 1600-1660 (3)

ENGL 641 - Shakespeare (3)

ENGL 642 - 17th Century Prose and Poetry (3)

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ENGL 643 - Spenser (3)
ENGL 644 - Milton (3)
ENGL 656 - Restoration and Early 18th Century Literature (3)
ENGL 657 - Later 18th Century English Literature (3)
ENGL 658 - English Drama: 1660-1800 (3)
ENGL 659 - 18th Century English Novel (3)
ENGL 660 - British Romantic Period (3)
ENGL 661 - Victorian Poetry: 1830-1880 (3)
ENGL 662 - 19th Century British Prose (3)
ENGL 663 - 19th Century British Novel (3)
ENGL 664 - British Literature: 1880-1920 (3)
ENGL 676 - American Literature to 1830 (3)
ENGL 677 - American Literature: 1830-1865 (3)
ENGL 678 - American Literature: 1865-1910 (3)
ENGL 679 - 19th Century American Novel (3)
ENGL 736 - Seminar: Medieval Literature (3)
ENGL 737 - Seminar: Chaucer (3)
ENGL 738 - Seminar: 16th Century English Literature (3)
ENGL 741 - Seminar: Shakespeare (3)
ENGL 742 - Seminar: 17th Century English Literature (3)
ENGL 744 - Seminar: Milton (3)
ENGL 756 - Seminar: Restoration and 18th Century English Literature (3)
ENGL 762 - Seminar: 19th Century British Literature (3)
ENGL 764 - Seminar: British Literature, 1880-1920 (3)
ENGL 776 - Seminar: American Literature to 1830 (3)
ENGL 777 - Seminar: 19th Century American Literature (3)

At least two courses from the following

British, American, and/or Postcolonial Literature since 1900 (6):

ENGL 665 - British Literature Since 1900 (3)
ENGL 666 - 20th Century British Poetry (3)
ENGL 667 - 20th Century British Drama (3)
ENGL 668 - 20th Century British Fiction (3)
ENGL 671 - Postcolonial Literatures in English (3)
ENGL 681 - American Literature: 1910-1960 (3)
ENGL 682 - American Literature Since 1960 (3)
ENGL 684 - 20th Century American Poetry (3)
ENGL 685 - 20th Century American Fiction (3)
ENGL 687 - 20th Century American Drama (3)
ENGL 693A - Ethnic American Literature: African American Literature (3)
ENGL 693B - Ethnic American Literature: Native American Literature (3)
ENGL 693C - Ethnic American Literature: Latina/Latino American Literature (3)
ENGL 693D - Ethnic American Literature: Special Topics (3)

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ENGL 765 - Seminar: 20th Century British Literature (3)

ENGL 783 - Seminar: 20th Century American Literature (3)

Electives in literature (6)

Non-literature electives. These can include include courses in rhetoric, English education, or theory and criticism within the English Department. If taken outside the English Department, courses can include COMS 556, COMS 562, COMS 656, or other film-related electives with consent of adviser (0-9)

Department of Foreign Languages and Literatures

All University Section

Interdisciplinary Academic Centers, Institutes, and Courses

Other Catalog Change

Page 323, 2017-2018 Graduate Catalog

Concentration in Latin American Studies

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Requirements (12)

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Three of the following (9)¹

↓

FLSP 561 - ~~Special Topics in~~ Seminar on the Cultures of Spanish Civilization (3)

FLSP 562 - ~~Special Topics in Spanish-American Civilization~~ Seminar on the Cultures of Latin America (3)

↓

Department Section

Course Deletions

Page 242, 2017-18 Graduate Catalog

FLGE 532. ENLIGHTENMENT, THROUGH WEIMAR CLASSICISM (3).

FLGE 533. GERMAN ROMANTICISM (3).

FLGE 534. GERMAN REALISM AND NATURALISM (3).

FLGE 535. MODERN GERMAN LITERATURE: 1900-1945 (3).

FLGE 537. CONTEMPORARY GERMAN LITERATURE (3).

FLGE 562. GERMAN CULTURE AND CIVILIZATION 1832-1945 (3).

New Courses

Page 242, 2017-18 Graduate Catalog

CIP: 16.0501

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FLGE 532. GERMAN LITERARY GENRES (3). An in-depth study of genres such as drama, novel, novella, lyric, and film. Taught in German.

FLGE 533. GERMAN CINEMA (3). Overview of German cinema through the analysis of films. Films from a variety of periods of German cinematic history will be screened and discussed. Taught in German.

FLGE 534. POPULAR LITERATURE IN GERMAN-SPEAKING COUNTRIES (3). Reading and analysis of popular German texts. Taught in German.

FLGE 535. AUTOBIOGRAPHIES (3). Explorations of different sets of autobiographical forms. Taking inspiration from the readings, students will create their own autobiographies in German.

FLGE 537. AUTHORS IN CONTEXT (3). Study of authors within their historical, political, and cultural contexts. Taught in German. May be repeated to a maximum of 6 semester hours.

Course Revisions

Page 242, 2017-2018 Graduate Catalog

FLGE 511. **COMMUNICATING IN MODERN GERMAN** (3). **Advanced conversation and composition course focusing on the understanding of modern German in day-to-day communication, including formal and informal language, dialects and slang. Current usages in spoken and written German with emphasis on contemporary vocabulary, idiomatic expressions, and syntax.**

FLGE 512. PRACTICAL BUSINESS GERMAN (3). German language study oriented toward business practices. Techniques of spoken and written communication necessary in the German work environment. **Extensive practice in the writing of business correspondence and formal presentations.**

FLGE 561. GERMAN CULTURE**AL STUDIES: READING TEXTS IN CONTEXTS AND CIVILIZATION 800-1832** (3). **Focus on the central role that culture plays in fostering and understanding German society through a variety of media such as fiction, film, magazines, blogs, and music. Social and cultural developments in the German-speaking lands from 800 to 1832.**

FLGE 563. *DEUTSCHLAND HEUTE* (3). Critical approach to postwar and contemporary German culture, society, and everyday life ~~from 1945 to the present~~, with emphasis on the developments since the reunification of 1990 **using German media in print and screen.** ~~Analysis of essential texts and the lives of representative Germans. Lectures, discussions, films.~~

FLGE 581. **BREAKING IT DOWN: THE STRUCTURE OF MODERN GERMAN** (3). **Examination of core areas of German linguistic concepts** ~~Survey of Modern German~~ and the use of contemporary linguistic methods to analyze and contrast ~~its~~ major structures and their functions.

FLSP 561. ~~SPECIAL TOPICS IN~~ **SEMINAR ON THE CULTURES OF SPANISH CIVILIZATION** (3). ~~Topics in Spanish American culture and civilization.~~ **Focus on the analysis of a series of documents (literary**

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texts, film, advertisements, newspapers and magazines among others) in order to understand the basis of the construction of Spain's historical, political, and cultural identity.

~~FLSP 562. SPECIAL TOPICS IN SPANISH-AMERICAN CIVILIZATION~~ SEMINAR ON THE CULTURES OF LATIN AMERICA (3). ~~Topics in Spanish culture and civilization.~~ Focus on the analysis of scholarly texts, interpretive essays, other primary sources, and a variety of cultural artifacts (such as films, music, art objects, literary texts) in order to explore Latin America's cultural heritage.

~~FLSP 590~~ FLAL 515. INTERNSHIP IN WORLD LANGUAGES AND CULTURES PRACTICUM IN SPANISH (3). Professional experience related to the work environment utilizing foreign language translation ~~transition~~ and/or communication skills. Credit awarded upon completion of an internship experience and writing assignments related to student's filed of study. ~~Normally only available to students who have no prior foreign language related work experience.~~ PRQ: Consent of department.

Other Catalog Change

Page 240, 2017-18 Graduate Catalog

Certificates of Graduate Study

Foreign Language Instructional Technology (18)

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World Languages and Cultures - Emphasis French and Francophone Studies Language, Literature, and Culture (18)

This certificate is designed to enhance individuals' knowledge of French language, language teaching, literature, and culture and to be of interest not only to teachers who desire continuing professional education, but also to post-baccalaureate students with general or business/translation interests.

Requirements (18)

Choose six of the following ~~500-level French~~ courses:

- FLAL 520 - Introduction to Translation Theory (3)
- FLAL 583 - Applied Linguistics and the Romance Languages (3)
- FLFR 500 - Special Topics in French Language, Literature, Linguistics or Culture (3)
- FLFR 512 - French for Business (3)
- FLFR 530 - French and Francophone Film (3)
- FLFR 537 - Authors in Context (3)
- FLFR 540 - Postcolonial Studies and Francophone Culture (3)
- FLFR 545 - French Women Writers (3)
- FLFR 546 - Studies in French Genres (3)
- FLFR 563 - *La France Contemporaine* (3)
- FLFR 564 - Paris: City of Lights (3)
- FLFR 565 - Experiments in Autobiography (3)
- FLFR 580 - French Publishing Atelier (3)
- FLFR 581 - Advanced French Phonetics and Phonology (3)
- FLFR 582 - History of the French Language (3)

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FLFR 583 - Translation Theory and Practice (3)

FLFR 584 - Advanced Translation (3)

World Languages and Cultures - Emphasis German Studies Language, Literature, and Culture (18)

This certificate is business/translation interests.

Choose six of the following (18)

FLAL 520 - Introduction to Translation Theory (3)

FLGE 511 - **Communicating in** Modern German (3)

FLGE 512 - Practical Business German (3)

FLGE 514 - German Business Communication (3)

~~FLGE 532 - Enlightenment, Through Weimar Classicism (3)~~

FLGE 532 - German Literary Genres (3)

~~FLGE 533 - German Romanticism (3)~~

FLGE 533 - German Cinema (3)

~~FLGE 534 - German Realism and Naturalism (3)~~

FLGE 534 - Popular Literature in German-Speaking Countries (3)

~~FLGE 535 - Modern German Literature (3)~~

FLGE 535 - Autobiographies (3)

~~FLGE 537 - Contemporary German Literature (3)~~

FLGE 537 - Authors in Context (3)

FLGE 561 - German Cultural Studies: Reading Texts in Contexts and Civilization 800-1832 (3)

~~FLGE 562 - German Culture and Civilization 1832-1945 (3)~~

FLGE 563 - *Deutschland Heute* (3)

FLGE 581 - **Breaking it Down:** The Structure of Modern German (3)

FLGE 582 - Approaches to Translation (3)

FLGE 584 - Translation Practice (3)

FLIS 581² - Independent Study in a Foreign Language (1-6)

World Languages and Cultures - Emphasis Spanish and Hispanic Studies Language, Literature, and Culture (18)

This certificate is or the social sciences.

FLSP 580 - Introduction to Hispanic Linguistics (3)

~~Two~~ **Four** of the following (~~6-12~~)

FLAL 520 - Introduction to Translation Theory (3)

FLAL 583 - Applied Linguistics and the Romance Languages (3)

500-level FLSP courses (6)

~~FLSP 514 - Spanish Business Communications (3)~~

~~FLSP 581 - Spanish Phonology (3)~~

~~FLSP 582 - Foundations in Spanish Sociolinguistics (3)~~

~~FLSP 583 - Techniques of Spanish Translation (3)~~

~~FLSP 584 - Advanced Spanish Translation (3)~~

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~~FLSP 585—Spanish Syntax (3)~~

~~FLSP 586—Contrastive Grammatical Structures in Spanish and English (3)~~

~~FLSP 587—Hispanic Dialectology (3)~~

~~FLSP 591—History of the Spanish Language (3)~~

~~Three~~ **One** 500-level Spanish or Spanish-American culture and/or literature courses (~~9-3~~)

Department of Geographic and Atmospheric Sciences

New Courses

Page 247, 2017-18 Graduate Catalog

CIP: 45.0701

GEOG 525. GEOGRAPHY OF FOOD AND AGRICULTURE (3). Geographic patterns food production and distribution systems. Examination of major environmental challenges inherent in our global food system. Includes global agricultural systems, global food security, industrial and alternative agricultural systems, and the impacts of agriculture on the environment.

GEOG 761. ADVANCED SPATIAL MODELING AND REGRESSION TECHNIQUES (3). Expansion of geographic research techniques, including approaching spatial effects in research design. Areas of focus include approaching spatial effects in research design, exploratory spatial data analysis, global, regime, and local spatial regression, logistic regression in spatial environments, and two-stage spatial models. Focus on application of techniques in Geographic-geographic research, their underlying mathematics, diagnostic contextualization, and the special case of the spatial environment.

Course Revision

Page 248, 2017-18 Graduate Catalog

596X. HISTORY AND SOCIAL SCIENCE INSTRUCTION FOR SECONDARY **AND MIDDLE GRADES** EDUCATORS (3). *Crosslisted as ANTH 596X, ECON 596X, HIST 496 596, POLS 596X, PSYC 596X, and SOCI 596X.* Organization and presentation of materials for history and social science courses at the **middle grades and** secondary levels. PRQ: Admission to the history or social science secondary **or middle grades teacher education educator licensure** program and permission of the Department of History's office of secondary ~~teacher education~~ **educator licensure**.

Other Catalog Change

Page 245, 2017-18 Graduate Catalog

Master of Science in Geography

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Requirements

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Thesis Option

The thesis option consists of a minimum of 30 semester hours, including at least 24 semester hours of course work and a thesis. **A thesis proposal must be successfully defended to the committee in a public defense**

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prior to the commencement of thesis work.

Non-Thesis Option

The non-thesis option consists of a Papers must be completed under GEOG 672 for a total of six semester hours.

Department of Geology and Environmental Geosciences

New Courses

Page 254, 2017-18 Graduate Catalog

CIP: 40.0601

603. TEACHING ASSISTANT TRAINING (1). Development of laboratory and classroom teaching skills to prepare for a teaching assistant position. Preparing to handle a variety of instructional issues will be addressed, including: teaching students with disabilities, developing fair grading rubrics, ~~aligning~~ aligning expectations with instruction, handling conflict with students, and engaging students in active learning. May be taken concurrently with a student's first TA position.

605. TEACHING AND LEARNING UNDERGRADUATE SCIENCE (3). Survey of learning theory, review of research-tested classroom pedagogy for undergraduate science education, practices for developing and running large lecture and laboratory courses, and practice developing a science education research proposal to fund classroom intervention research. Intended for graduate students at the ~~Masters-master's~~ and ~~Ph.D.doctoral~~ level who are interested in undergraduate teaching careers.

Department of History

Course Revision

Page 260, 2017-18 Graduate Catalog

General

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596. HISTORY AND SOCIAL SCIENCE INSTRUCTION FOR SECONDARY AND MIDDLE GRADES EDUCATORS (3). *Crosslisted as ANTH 596X, ECON 596X, GEOG 596X, POLS 596X, PSYC 596X, and SOCI 596X.* Organization and presentation of materials for history and social science courses at the middle grades and secondary levels. PRQ: Admission to the history or social science secondary or middle grades teacher educator licensure program and permission of the Department of History's office of secondary teacher education educator licensure.

Other Catalog Change

Page 258, 2017-18 Graduate Catalog

Master of Arts in History

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Course Requirements

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~~ART 655 – Curatorial Practice (3)~~
~~ART 656 – Museum Exhibitions and Interpretation (3)~~
ART 655 - Museum Exhibitions and Interpretation (3)
ART 656 - Advanced Curatorial Practice (3)
ART 657 - Museum Education (3)

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Department of Mathematical Sciences

Other Catalog Change Page 265, 2017-18 Graduate Catalog

Master of Science in Mathematics

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Specialization in Pure Mathematics

MATH 550 - Introduction to Topology (3)

MATH 620 - Algebraic Structures I (3)

MATH 621 - Algebraic Structures II (3)

MATH 630 - Real Analysis I (3)

MATH 631 - Real Analysis II (3)

MATH 632 - Complex Analysis (3)

At least one of the following

~~MATH 621 – Algebraic Structures II (3)~~

~~MATH 650 – Topology (3)~~

Specialization in Applied Mathematics

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MATH 740 - Topics in Applied Mathematics (3)

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Specialization in Computational Mathematics

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MATH 534 - Numerical Linear Algebra (3)

MATH 535 - Numerical Analysis (3)

~~MATH 639 – Computational and Analytical Methods in the Sciences (3)~~

~~MATH 664 – Numerical Linear Algebra (3)~~

MATH 636 - Ordinary Differential Equations I (3)

MATH 642 - Partial Differential Equations I (3)

MATH 666 - Numerical Differential Equations (3)

MATH 668 - Nonlinear Programming (3)

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Non-Thesis Option. The non-thesis option is primarily

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Other Catalog Change

Page 266, 2017-18 Graduate Catalog

Doctor of Philosophy in Mathematical Sciences

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Course Requirements

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Group D¹ - Four of the following

~~MATH 639 – Computational and Analytical Methods in the Sciences (3)~~

MATH 636 - Ordinary Differential Equations I (3)

MATH 642 - Partial Differential Equations (3)

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MATH 668 - Nonlinear Programming (3)

Department of Philosophy

New Course

Page 274, 2017-18 Graduate Catalog

CIP: 38.0001

698. MASTER'S COMPREHENSIVE EXAMINATION (0). Written examination demonstrating comprehensive mastery of one field of philosophy. May be repeated once. S/U/IP grading. PRQ: Consent of department.

Department of Political Science

Course Revision

Page 280, 2017-18 Graduate Catalog

596X. HISTORY AND SOCIAL SCIENCE INSTRUCTION FOR SECONDARY **AND MIDDLE GRADES** EDUCATORS (3). *Crosslisted as ANTH ~~496X~~ 596X, ECON 596X, GEOG 596X, HIST 496 596, PSYC 596X, and SOCI 596X.* Organization and presentation of materials for history and social science courses at the **middle grades and** secondary levels. PRQ: Admission to the history or social science secondary **or middle grades teacher education educator licensure** program and permission of the Department of History's office of secondary ~~teacher education~~ **educator licensure**.

Course Revisions

Page 280, 2017-18 Graduate Catalog

6023. RESEARCH DESIGN IN POLITICAL SCIENCE (3). Survey of research methods and design in political science. Required in the first year for all students in the Ph.D. **and M.A.** programs **and strongly recommended for all M.A. students planning to pursue a Ph.D.**

Course Revision

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603~~2~~. SCOPE AND HISTORY OF POLITICAL SCIENCE (3). Social science theories of knowledge and orientation to the discipline of political science. Required in the first year for all students in the Ph.D. and M.A. programs and strongly recommended for all M.A. students planning to pursue a Ph.D.

Other Catalog Change

Page 279, 2017-18 Graduate Catalog

Doctor of Philosophy in Political Science

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Course Requirements

The Department of Political Science requires that 90 semester hours

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In completing the remaining required 51 semester hours of course work, students must include POLS 602, ~~Research Design in~~ Scope and History of Political Science (3); POLS 603, ~~Scope and History of~~ Research Design in Political Science (3); and POLS 692, Teaching and Professional Development (1). Full-time students are required to

Department of Psychology

Course Deletion

Page 289, 2017-18 Graduate Catalog

799B. PH.D. DISSERTATION (1).

New Courses

Page 286, 2017-18 Graduate Catalog

CIP: 42.0101

608. CLINICAL RESEARCH METHODS (3). Systematic examination of research methodology in clinical psychology. Topics include cross-sectional, experimental, longitudinal research designs, special considerations in clinical outcome and process research, measurement, psychometrics, analytical approaches, and ethical and cultural considerations in human subjects research. PRQ: Graduate standing in psychology and consent of the department.

659. ADVANCED PROFESSIONAL ISSUES IN CLINICAL PSYCHOLOGY (3). Examination of theories of and empirical outcome research related to supervision and consultation in clinical psychology. Topics will include methods for applying this knowledge to work with clients from a wide range of clinical presentations and diverse backgrounds. PRQ: Graduate standing in psychology and consent of the department.

Course Revision

Page 289, 2017-18 Graduate Catalog

799A. PH.D. DISSERTATION (3 ~~1~~-15). May be repeated to a maximum of 80

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Department of Public Administration

Course Deletion Page 293, 2017-18 Graduate Catalog

699B. PUBLIC SERVICE CAPSTONE PROJECT (1).

New Course Page 293, 2017-18 Graduate Catalog

CIP: 44.0401

698. PUBLIC SERVICE PRAXIS (1). Guided discussion and mentorship in the integration of program competencies and public administration theory in the MPA program. May be repeated to a maximum of 2 semester hours. S/U grading. PRQ: Consent of department.

Course Revisions Page 293, 2017-18 Graduate Catalog

695. INTERNSHIP IN PUBLIC ADMINISTRATION (1-3). Preprofessional experience composed of three elements: administrative or staff service in a public or quasi-public non-profit agency; seminar meetings consisting of student presentations and action exercises; and presentations by practicing public administrators and scholars in the field of public affairs. May be repeated to a maximum of 8 semester hours with permission of department. S/U grading. PRQ: Consent of department.

699A. PUBLIC SERVICE RESEARCH CAPSTONE PROJECT (4-3). Research and writing related to the completion of the capstone paper requirements for the M.P.A. degree, normally taken in the semester of graduation. Students may enroll in 1-3 semester hours in a single term. A minimum of 3 semester hours are required for the degree. The capstone paper must demonstrate the connection of theory and practice to a relevant public service issue or problem. The final group project will be a presentation for the oral comprehensive examination. May be repeated to a maximum of 11 semester hours once. S/U grading. PRQ: Consent of department. Students enrolled in the Public Service Law and Management specialization may substitute 3 semester hours of NIU LAW 795 - Directed Research, or NIU LAW 900 - Seminar, for three semester hours of PSPA 699A.

Other Catalog Change Page 290-291, 2017-18 Graduate Catalog

Master of Public Administration

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Requirements

The M.P.A. degree normally internship hours.

In addition to credit-hour requirements, students must also prepare and defend a capstone paper while registered for PSPA 699A and PSPA 699B. The capstone paper must demonstrate the connection of theory and practice to a relevant public service issue or problem. Every student must complete at least 3 1 semester hours of PSPA 699A 698, normally in their second semester, and 4 3 semester hours of PSPA 699B prior to

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graduation. Each student enrolled in PSPA 695 must enroll for 1 semester hour of PSPA 699A after the completion of 9 semester hours of course work; other students after 15 semester hours. After the completion of 30 semester hours of course work, the student must maintain continuous enrollment in PSPA 699A until the semester of graduation when the student enrolls in PSPA 699B to complete the capstone requirements.

Public Policy/Management Core (28)

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PSPA 612 - Information Management and Decision Support in Public Organizations (3)

PSPA 698 - Public Service Research Praxis (1)

PSPA 699A - Public Service Research Capstone Project (4-3)

PSPA 699B—Capstone Project (1)

Specialization

Students must also complete the requirements of one of the following specializations, thus permitting the development of expertise in a particular field of academic and professional interests. Students will normally be expected to select elective courses from curricula other than public administration (PSPA) courses.

Students must enroll in PSPA 695 for at least 4 semesters. The requirements for PSPA 695 may be waived if a student has had appropriate professional experience.

Specialization in Comparative Public Service

Through a study of public administration and management in a global

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Other Catalog Change

Page 292, 2017-18 Graduate Catalog

Public Management (15)

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Other 600-level PSPA courses with the exception of PSPA 661, PSPA 671, PSPA 692, PSPA 695, and PSPA 699A 698 and PSPA 699B (0-6)

Rationale: Revisions to PSPA 699A (now 698) and 699B (now 699).

Department of Sociology

Course Revision

Page 295, 2017-18 Graduate Catalog

596X. HISTORY AND SOCIAL SCIENCE INSTRUCTION IN GRADES 6-12 FOR SECONDARY AND MIDDLE GRADES EDUCATORS (3). Crosslisted as ANTH 596X, ECON 596X, GEOG 596X, HIST 596, POLS 596X, AND PSYC 596X. Organization and presentation of materials for history and social science courses at the middle school, junior high, and senior high school grades and secondary levels. PRQ: Admission to the history or social science secondary or middle grades educator licensure program and permission of Department of History's office of educator licensure.

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COLLEGE OF VISUAL AND PERFORMING ARTS

School of Art and Design

New Course: Page 304, 2017-18 Graduate Catalog

CIP CODE: 13.1302

ARTE 545. CURRICULUM DEVELOPMENT IN ART AND DESIGN EDUCATION (4). Advanced sequential curriculum writing for teaching art and design with regards to student cognitive processes and curriculum goals, including culturally responsive, interdisciplinary and technological content. Analysis of the history and current trends in curriculum development. Emphasis on differentiated instructional and assessment methods; curriculum management, advocacy, and leadership. Arrangements for a clinical experience, with a minimum of 25 hours, will be provided to students not currently teaching in a classroom.

Course Revisions Pages 303-305, 2017-18 Graduate Catalog

ART ~~655~~ **656**. **ADVANCED** CURATORIAL PRACTICE (3). ~~Philosophy, practices, and issues involved in acquisition and care of collections, including collection policy, registration and cataloging methods, documentation/research of collections, conservation, and ethics.~~ **Advanced theories, practices, and current issues affecting museum curatorial practice.** Lectures, case studies, museum visits, and museum practicum. PRQ: ART 565 or consent of school.

ART ~~656~~ **655**. MUSEUM EXHIBITIONS AND INTERPRETATION (3).

ART 765. MUSEUM INTERNSHIP (~~1-2~~) **(3)**. Work experience in ~~an off-campus~~ **a** museum, gallery, arts center, or other approved institution Minimum contact time is 120 clock hours ~~per credit hour. May be repeated to a maximum of 2 semester hours.~~ PRQ: Completion of ART ~~665~~ **655** or ANTH ~~665~~ **562**; or consent of school.

ARTE 781. RESEARCH TOPICS: INDEPENDENT STUDY (~~3 or 6~~) **(1-6)**.

A. Administration and Supervision of Arts Programs

B. Art and Education Writing

C. Art Curriculum

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ARTS 770. FIBER/INTERDISCIPLINARY **II** (3 or 6).

School of Music

New Course: Page 315, 2017-18 Graduate Catalog

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CIP CODE: 50.0921

MUED 676. WORLD MUSIC PEDAGOGY (3). Overview of teaching world musics in various settings: K-12 music classes and ensembles, and music appreciation classes and world music ensembles in higher education. Specific focus on the rationale (why) and approaches (how) of integrating world music into such settings. Designed primarily for (but not limited to) graduate students who have prior knowledge of world musics and seek to apply their knowledge in educational settings and/or performance majors (of western classical music) who wish to expand their musical horizon and improve their pedagogical skills.

Course Revisions

Page 312, 2017-18 Graduate Catalog

MUTC 611. **INTRODUCTION TO** ELECTRONIC AND COMPUTER MUSIC I (2). **Laboratory introduction to the techniques of electronic music composition within a digital audio workstation (DAW) environment. Emphasis on tape techniques, analog Topics include audio editing, digital processing of sound, MIDI sequencing,** and digital synthesis. PRQ: Consent of school.

MUTC 612. **INTRODUCTION TO** ELECTRONIC AND COMPUTER MUSIC II (2). Further study and experimentation with techniques introduced in MUTC 611, ~~Electronic and Computer Music I.~~ Emphasis on ~~implementing techniques studied thus far in more extensive electronic music compositions.~~ **live digital signal processing (dsp) and interactive electronic music composition using MaxMSP.** PRQ: MUTC 611 ~~and~~ or-consent of school.

MUTC 615. APPLIED EDITING TECHNIQUES (3) **(2).**

MUTC 616. AURAL SKILLS FOR THE AUDIO PROFESSIONAL (3) **(2).**

MUTC 623. APPLIED MIXING TECHNIQUES (3) **(2).**

MUTC 624. LIVE SOUND THEORY, TECHNIQUES, AND PRACTICUM (3) **(2).**

School of Theatre and Dance

Course Deletions:

Page 320, 2017-18 Graduate Catalog

TH-D 567. DANCE NOTATION I (3).

TH-D 568. DANCE NOTATION II (3).

New Course:

Page 319, 2017-18 Graduate Catalog

CIP CODE: 50.0501

THEA 674. SCRIPT LABORATORY: VISUAL INTERPRETATION (3). Image-based study of theatre and drama in various periods and genres. PRQ: Consent of school.

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Other Catalog Change: Page 317, 2017-18 Graduate Catalog

Master of Fine Arts in Theatre Arts

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Requirements

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Completion of the following core program of study (14)

THEA 619 - Performance and Production (5)

THEA 676 - Script Laboratory (~~6~~) (3)

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Specialization in Acting

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THEA 676 - Script Laboratory (~~3~~) (6)

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Specialization in Design and Technology

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Costume Design

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THEA 579 - Period Style for the Theatre II (3)

THEA 676 - Script Laboratory (3)

OR THEA 674 - Script Laboratory: Visual Interpretation (3)

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Lighting Design

↓

THEA 579 - Period Style for the Theatre II (3)

THEA 676 - Script Laboratory (3),

OR THEA 674 - Script Laboratory: Visual Interpretation (3)

↓

Scene Design

↓

THEA 579 - Period Style for the Theatre II (3)

THEA 676 - Script Laboratory (3),

OR THEA 674 - Script Laboratory: Visual Interpretation (3)

↓

Theatre Technology

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THEA 566 - The Business of Theatre (1)

THEA 676 - Script Laboratory (3),

OR THEA 674 - Script Laboratory: Visual Interpretation (3)