BALL STATE UNIVERSITY
ACADEMIC POSTING
2014-2015

This posting may contain all or part of the following: new, revised, and dropped programs, courses and prefixes. The posting period begins December 1, 2014. If no demurrer is received within ten school days, the changes will be certified for implementation. *The effective date for implementing the undergraduate and graduate materials posted after May 26, 2014 is Fall Semester 2015.*

COLLEGE OF ARCHITECTURE AND PLANNING

Department of Architecture

ARCHITECTURE (ARCH)

Dropped:

352 Introduction to Social and Cultural Issues of Design (3)

Revised:

251 (352) Introduction to Social and Environmental Justice in Design (3) Introduces students to the essential role that architecture plays in promoting socially and environmentally just communities by acknowledging the values of human rights, social equity, and the dignity of every human being.
   Open only to architecture majors second year level.

Department of Urban Planning

Revised:

MASTER OF URBAN AND REGIONAL PLANNING, 36-51 hours

Degree Requirements

Concentration
Revised first sentence:
"The standard MURP concentration is a two-year, 48 credit hour program. "

For students without a Bachelor of Urban Planning and Development (BUPD) or equivalent degree

PREFIX	NO	SHORT TITLE	CR HRS
PLAN	500	Planning Diagnostic Exam	0
	501	Introduction to Urban Planning	3
	605	Des and Present Tech	3
	613	Qual Meth and Soc Just	3
	614	Quant Analy	3
	620	Human Impact Analysis	2
	621	Environmental Impact Analysis	1
	625	Planning Law	3
	626	Human Settlements	1
	627	Ecology of Planning	1
	628	Economics of Planning	1
	629	Planning Analysis Studio	3
	690	Planning Portfolio Review	0
	691	Planning Internship	0
	695	Plan Capstone Research Methods	1
	696	Plan Capstone Res Methods 2	1
	697	Plan Capstone Res Methods 3	1
	699	Planning Comp Exam	0
			_____
			27 hrs

3-6 hours from

RES	697	Research Paper (3)	
	or		
CRPR	698	Creative Project (3-6)	
	or		
THES	698	Thesis (1-6)	3-6

12 hours from
Area of Concentrated Study (ACS)
Including either

PLAN	630	Comprehensive Planning Studio (3)	
	or		
PLAN	632	Studio Comm Dev and Ent Planng (3)	12

Complementary electives from outside planning	6
	_____
	48-51 hrs

For students with a Bachelor of Urban Planning and Development (BUPD) or equivalent degree

PLAN	500	Planning Diagnostic Exam	0

604	Adv Plnng Iss, Thry, & Pract	3
613	Qual Meth and Socl Just	3
620	Human Impact Analysis	2
621	Environmental Impact Analysis	1
690	Planning Portfolio Review	0
691	Planning Internship	0
695	Plan Capstone Research Methods	1
696	Plan Capstone Res Methods 2	1
697	Plan Capstone Res Methods 3	1
699	Planning Comp Exam	0
		12 hrs

3 hours from
PLAN	625	Planning Law (3)	
	626	Human Settlements (1)	
	627	Ecology of Planning (1)	
	628	Economics of Planning (1)	3

3-6 hours from
RES	697	Research Paper (3)	
		or	
CRPR	698	Creative Project (3-6)	
		or	
THES	698	Thesis (1-6)	3-6

12 hours from
Area of Concentrated Study (ACS)
Including either
PLAN	630	Comprehensive Planning Studio (3)	
		or	
PLAN	632	Studio Comm Dev and Ent Planng (3)	12

Outside electives	6
	36-39 hrs

URBAN PLANNING (PLAN)

Dropped:

693 Customized Area of Study in Urban Planning (1-9)

MILLER COLLEGE OF BUSINESS

Department of Information Systems and Operations Management

INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT (ISOM)

Revised:

355 Quality Management and Lean Six Sigma (3) Focuses on concepts and tools for quality control and improvement in both manufacturing and service organizations. Topics include: total quality management, quality planning, quality cost principles, the use of statistical methods for quality control and improvement, Malcolm Baldrige National Quality Award criteria, and ISO standards.
Prerequisite: ECON 221.

369 Industry Internship (3-6) Supervised employment for credit. Students are expected to plan, manage, or evaluate information services or logistics and supply chain management in an organization.
Prerequisite: permission of the department chairperson.
A total of 6 hours of credit may be earned.

Department of Management

MANAGEMENT (MGT)

Revised:

244 Social Entrepreneurship (3) Exploration of ventures started for social good, whether not-for-profit or for-profit. Examines implications of starting ventures for the greater good of society.

341 Opportunity Identification (3) Creatively identifying and developing an entrepreneurial opportunity through market feedback. Exploring an opportunity through interaction with potential customers and industry experts.
Prerequisite: MGT 241.
Open only to entrepreneurial management majors.

342 Marketing for New Ventures (3) A survey course covering the principles of market research and marketing. Students will learn how to perform market research and test the demand for a product/service, determining its marketing feasibility. In addition, they will learn how to create a marketing plan that includes their decisions regarding product, promotion, price, and distribution.
Prerequisite: ECON 116 or 201 or ACC 201; MGT 241.

345 Management for New Ventures (3) A capstone application course for the entrepreneurial management minor. Students will work on either a project of their own or one provided through an internal or external client, and will apply learnings from previous courses in a practical manner to solve problems, suggest and implement operational and market strategies, and identify and exploit opportunities. The financial impact of their decisions and suggested strategies will be examined and highlighted throughout the course.
Prerequisite: ECON 116 or 201 or ACC 201; MGT 241, 342, 343.

443 Venture Financing (3) Examines the venture financing options available for new business startups. Emphasizes creating and analyzing financial documents, approaching financial sources, selling stock for growing companies, and managing the financial condition of a new venture.
Prerequisite: MGT 241, 346; FIN 300.
Open only to entrepreneurship management majors.

449 New Venture Creation (3) Requires the development of

a thorough business plan that must be approved by an external panel of executives and entrepreneurs.

Prerequisite: MGT 347, 443.

Open only to entrepreneurial management majors.

COLLEGE OF COMMUNICATION, INFORMATION, AND MEDIA

Department of Journalism

Revised:

MASTER OF ARTS IN JOURNALISM, 36 hours

MASTER OF ARTS IN PUBLIC RELATIONS, 33-47 hours

Revising admission requirements:

Admission requirements

Applicants must first meet the admission requirements of the Graduate School (See: Master's Degree Admission Standard.) In addition, applicants must meet the admission requirements of the Department of Journalism:

- A cumulative baccalaureate grade-point average (GPA) of at least 3.0 on a 4.0 scale.
- Official scores from the Graduate Record Examination (GRE). Applicants must achieve a minimum score of 150 on the Verbal section of the GRE to be considered for admission.
- International applicants are required to submit scores for both the GRE and either the Test of English as a Foreign Language (TOEFL) or the International Language Testing Systems (IELTS). International applicants must achieve a minimum score of 550 on the paper-based TOEFL, a 79 on the Internet-based TOEFL, or a minimum score of 6.5 on the IELTS. In addition, the TOEFL and IELTS scores will be further analyzed for writing skills assessment.
- A current resume or curriculum vitae.
- A 1000-word statement of purpose that indicates the specific area of concentration the applicant wants to pursue, the reasons for undertaking graduate study in this department, and the relationship of such study to the applicant's long-term personal and professional goals and interests. For the Public Relations area of concentration, the statement should also specify if the student is most interested in completing the program online, on campus, or by a mix of online and on-campus courses.
- Either an academic or professional writing sample(s) that best illustrates the applicant's ability to write and to think critically and logically, and is no less than 2,500 words and no more than 5,000 in total.

Applicants who do not meet minimum departmental GPA, GRE and/or TOEFL or IELTS score requirements but who provide an otherwise meritorious application may be considered for conditional admission. The department will request supplemental evidence of preparedness for graduate study when considering conditional admission. Conditional admission will require the student to earn a minimum of *B* (3.0) in each of his/her first three graduate courses in the Department of Journalism. Failure to do so may result in the dismissal of the student from the program.

Department of Telecommunications

TELECOMMUNICATIONS (TCOM)

Revised:

630 Digital Production 1 (3) Explores and builds professional techniques of acquisition, manipulation, and construction of digital video content. Industry standard software and hardware tools are employed to capture, edit, and finish creative productions.

Prerequisite: permission of the program coordinator.

631 Digital Production 2 (3) Examines creative approaches to visual and time-based digital narrative story creation. Emphasizes the practice of narrative development applied specifically to various visual genres including television, cinema, and web-based video.

Prerequisite: TCOM 630 or permission of the program coordinator.

632 Digital Media Design Seminar (3) Writing and producing digital stories for entertainment, promotional, journalistic, artistic, and instructional applications. Students may work on projects designed using technologies and/or dissemination for web, cinema, print, or television media. Proficiency required in digital audio and video technologies.

Prerequisite: TCOM 630 or permission of the program coordinator.

A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term.

633 Digital Audio Production (3) Skills and techniques required for digital audio production designed for broadcast, cinema, and/or digital delivery. Includes all stages of the production process, including studio and field recording, surround sound, and post-production.

Prerequisite: TCOM 630 or permission of the program coordinator.

COLLEGE OF FINE ARTS

School of Music

MUSIC MEDIA PRODUCTION (MMP)

New:

201 Pro Tools 101: An Introduction to Pro Tools (1)

Introduction to the basics of Avid Pro Tools through certified courseware. Topics include introduction and essentials of recording audio/MIDI plus techniques in basic editing, mixing, and automation. Offered credit/no credit only.

Open only to music and TCOM majors.

202 Pro Tools 110: Pro Tools Production 1 (1) Further study of Avid Pro Tools through certified courseware. Using foundational skills learned in Pro Tools 101, Pro Tools 110 expands knowledge and techniques for hardware and software configuration, managing media, recording audio/MIDI, virtual instruments, editing, automation and mixing. Offered credit/no credit only.

Prerequisite: MMP 201; or permission of the instructor.
Open only to music and TCOM majors.

MUSIC EDUCATION (MUSE)

Revised:

100 Introduction to Music Education 1 (2) An overview of the music teaching profession with an emphasis on philosophical foundations, curricular concepts, principles of instruction, professionalism, and initial portfolio development. Practicum includes guided observations of K-12 music programs and introductory teaching opportunities.

Open only to music education majors.

150 Introduction to Music Education 2 (2) Development of fundamental vocal performance techniques and performance skills on guitar, recorder, and other classroom instruments. Peer teaching experiences and introduction to classroom music repertoire for K-12 settings.

Open only to music education majors.

350 Contemporary Issues in Music Education: Practicum and Applications (2) Observation and application of specialized music teaching techniques and curricular issues in ensemble and small group settings. Emphasizes performance-based assessment, classroom management, continued portfolio development, cooperative learning strategies, reflective evaluation, and critical thinking skills. A weekly seminar includes music classroom application of universal design for learning, strategies for English language learners, reading in the content area, and special needs accommodations in the music classroom.

Prerequisite: A grade of *C* or better in the following courses: MUSP 290; and MUSE 100 and 150 and 351; and MUSE 353; and 355 or 356; and MUSE 375 or 376.
Open only to music education majors.

COLLEGE OF SCIENCES AND HUMANITIES

Department of Biology

MAJOR IN MEDICAL TECHNOLOGY

This program leads to a bachelor of science degree with a major in medical technology. The medical technologist is prepared for such laboratory work as bacteriology, chemistry, serology, and blood bank technology in hospital laboratories, physicians' and surgeons' clinics, and federal, state, and municipal health laboratories as well as research laboratories and commercial companies making biological products.

The departmental major in medical technology and the University Core Curriculum requirements and elective courses, all of which must total at least 88 credits, are to be completed in the first three years of study. The fourth or senior year consists of a twelve-month clinical laboratory program in an accredited hospital school of medical technology. Thirty-two credits are granted for the successful completion of this year. The minimum total for the degree is 120 credits.

Admission to a school of medical technology is determined entirely by the school applied to and is based on such considerations as scholastic standing (e.g., minimum grade-point average of 2.5), personal interviews, and recommendations. Completion of the first three years does not guarantee admission to the clinical year; students are therefore advised to plan an alternative program that may be completed in the fourth year. Students may then reapply for the clinical year.

The university has established affiliations for preparation of medical technologists with the following Indiana hospitals: Saint Francis Hospital in Beech Grove, Parkview Hospital in Fort Wayne, IU Health Methodist Hospital in Indianapolis, Good Samaritan Hospital in Vincennes, and St. Margaret Mercy Health Care Centers in Hammond. We are also affiliated with Vanderbilt University Medical Center in Tennessee.

MAJOR IN MEDICAL TECHNOLOGY (BA/BS), 51 hours

Recommended electives are BIO 112, 214, 215; PHYC 110; and MGT 300.

PREFIX	NO	SHORT TITLE	CR HRS
ANAT	201	Fundamentals of Human Anatomy	3
BIO	111	Principles of Biology 1	4
	313	Microbiology	4
	341	Pathogenic Bacteriology	3
	344	Immunology-Virology	4
CHEM	111	General Chemistry 1	4
	112	General Chemistry 2	4
	225	Chemical Analysis	3
	231	Organic Chemistry 1	4
	325	Instrument Meths of Analy	3
	360	Essentials of Biochemistry	4
MATH	108	Intermediate Algebra	3
PHYS	215	Human Physiology	5
ZOOL	347	Animal Parasitology	3
			———
			51 hrs

BIOLOGY (BIO)

New:

630 Scientific Communications (1) Emphasizes written skills needed for thesis and journal article preparation. Topics include word use, sentence construction, paragraph organization, figures, tables, statistical descriptions, and the key parts of a manuscript (introductions, methods, results, discussion). Students will also learn how to evaluate scientific writing.

 Prerequisite: permission of the instructor.

Revised:

344 Immunology (4) Examination of the basic principles of the immune system (components, responses, and regulation). This course will introduce basic concepts of immunology and discuss the role of immune function on the science and health community. The course will cover the basic concepts of immunology in a manner that facilitates an understanding of the complexity of field and the role of the immune system in infection and disease. Emphasis will be placed on human and murine immune systems.

 Prerequisite: BIO 215 or 313.

Department of Computer Science

New:

PENDING ICHE APPROVAL

CERTIFICATE IN DATA ANALYTICS, 32 hours

PREFIX	NO	SHORT TITLE	CR HRS
CS	120	Computer Science 1	4
	121	Computer Science 2	4
	124	Discrete Structures	3
	222	Advanced Programming	3
	321	Data Analytics	3
	455	Data Mining	3
ENG	103	Rhetoric and Writing	3
	104	Composing Research	3
MATH	111	Pre-Calculus Algebra	3
	221	Probabilty and Statistics (3)	
	or		
ECON	221	Business Statistics (3)	3
			32 hrs

Not open to computer science majors.

CERTIFICATE IN WEB SOFTWARE DEVELOPMENT, 26 hours

PREFIX	NO	SHORT TITLE	CR HRS
CS	120	Computer Science 1	4
	121	Computer Science 2	4
	124	Discrete Structures	3
	222	Advanced Programming	3
	310	Web Programming	3
	397	Multitier Web Architectures	3
ENG	103	Rhetoric and Writing	3
	104	Composing Research	3
			26 hrs

Not open to computer science majors.

Department of Mathematical Sciences

Correction (per Department of Mathematical Sciences)**:**

PENDING ICHE APPROVAL

CERTIFICATE IN POST-SECONDARY FOUNDATIONAL MATHEMATICS TEACHING, 15 hours

Admission requirements

Applicants must meet the regular admission requirements of the Graduate School. Applicants also must meet one of the following criteria: 1) have a current teaching license and at least one year of teaching experience; 2) be currently teaching at a community college; and 3) have permission of the department chairperson.

This certificate is offered on-line only.

Department of Physiology and Health Science

Suspended:

CERTIFICATE PROGRAM IN PUBLIC HEALTH EDUCATION, 14 hours

Department of Psychological Science

PSYCHOLOGICAL SCIENCE (PSYS)

Revised:

499 Department Honors in Psychology (1-2) Regular meetings devoted to presentation, discussion, and writing associated with completing departmental honors. This includes active participation in original research completed under the supervision of department faculty.

 Prerequisite: PSYS 385; a minimum of 12 additional hours in psychology; senior standing; permission of the department chairperson.

 A total of 3 hours of credit may be earned, but no more than 2 in any one semester or term.

 Open only to psychology majors.

TEACHERS COLLEGE

Department of Counseling Psychology and Guidance Services

Revised:

DOCTOR OF PHILOSOPHY IN COUNSELING PSYCHOLOGY, 106-112 hours

Research Requirement
ID 705
Increased requirement **from:** 2 hours **to:** 3 hours.

Department of Educational Psychology

New:

PENDING ICHE APPROVAL

MASTER OF SCIENCE IN QUANTITATIVE PSYCHOLOGY, 33 hours

Degree requirements

PREFIX	NO	SHORT TITLE	CR HRS
Core requirements			
EDPS	641	Statistical Methods	3
	642	Intermediate Statistics	3
	643	Research Design	3
	741	Applied Regression Analysis	3
	742	Multivariate Statistics	3
	746	Theory of Measurement	3
EDPS	600	Adv Education Psych (3)	
	or		
	606	Learn Achievement Motivation (3)	3

Complete one of the following concentrations:
Quantitative concentration, 6 hours from

EDPS	698	Special Topics (3)	
	730	Nonparametric Statistics (3)	
	740	Categorical Data Analysis (3)	
	743	Intro to Factor Analysis (3)	
	744	Structural Equation Model (3)	
	785	Multilevel Statistical Model (3)	6

Mixed methods concentration, 6 hours from

EDST	650	Intro to Qual Res (3)	
	655	Intro to Mixed Methods Research (3)	
	660	Ethno Res in Ed (3)	
	671	Eval of Ed Prgrms (3)	
SOC	681	Survey Research Methods (3)	6

Thesis requirement

THES	698	Thesis (1-6)	6

33 hrs

Laura Helms, Director
Office of Academic System