When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. Indiana University is one of the nation’s oldest and largest state universities, with eight campuses serving 92,000 students. IU also offers courses through facilities at Columbus, Elkhart, and many other sites.

Indiana University Campuses
Indiana University Bloomington
Indiana University–Purdue University Indianapolis
Indiana University East (Richmond)
Indiana University–Purdue University Fort Wayne
Indiana University Kokomo
Indiana University Northwest (Gary)
Indiana University South Bend
Indiana University Southeast (New Albany)
Administration

Indiana University

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Herman B Wells (1902-2000), A.M., L.L.D., Chancellor of the University
Kenneth R. R. Gros Louis, Ph.D., Vice President for Academic Affairs and Chancellor, Indiana University Bloomington
Gerald L. Beek, LL.M., Vice President for Long-Range Planning and Chancellor, Indiana University–Purdue University Indianapolis
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F. C. Richardson, Ph.D., Chancellor of Indiana University Southeast and Chancellor Liaison

Bloomington Campus

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Cheryl S. Sullivan, M.S., Vice Chancellor for External Affairs
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Lillian L. Charleston, M.S., Campus Affirmative Action Officer
Alan N. Criest, Ph.D., Associate Vice Chancellor for Enrollment Services
Mark C. Grove, M.P.A., Registrar

School of Informatics

J. Michael Dunn, Ph.D., Dean
Darrell L. Bailey, Ph.D., Executive Associate Dean; Director, New Media Program, Bloomington
Douglas G. Perry, Ph.D., Associate Dean for Graduate Studies and Research, Indianapolis
Edward L. Robertson, Ph.D., Associate Dean for Academic Affairs and Undergraduate Education, Bloomington
Christine Ogan, Ph.D., Associate Dean for Academic Affairs and Research, Bloomington
Andrew Dillon, Ph.D., Director, Human Computer Interaction Program, Bloomington
Gary Wiggins, Ph.D., Director, Bioinformatics and Chemical Informatics Programs, Bloomington
Kenneth Lipkowitz, Ph.D., Associate Director, Chemical Informatics Program, Indianapolis
Snehasis Mukhopadhyay, Ph.D., Associate Director, Bioinformatics Program, Indianapolis
Anna McDaniel, Ph.D., Interim Director, Health Informatics Program, Indianapolis

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Information Technology in Today's Learning

When Indiana University was founded in 1820, only Greek and Latin were taught. The curriculum has obviously changed over time, in response to both intellectual and practical needs. The most recent school to be established at Indiana University, the School of Informatics responds to the world’s changing needs.

One might say that programming languages and software tools are the Greek and Latin of our times, and no person can be called truly educated without mastery of these “languages.” It is not intended to suggest that the classical languages, or any natural languages, have been supplanted by C++ and Java. Indeed, making available the classical corpus in searchable digital form was one of the first applications of computing to the humanities. The point is to suggest the pervasiveness of information technology in all of civilized life. Much as Greek and Latin opened doors to the scholarship of the nineteenth century, as does information technology open doors to the art and science of the twenty-first century.

The development of networks and distributed systems over the past several decades has changed forever the notion of a computer as something that merely “computes.” The computer now is an “information processor.” Also gone is the idea of a computer as a stand-alone system. Instead it is a “communication node.” Arthur C. Clarke once said that “a sufficiently advanced technology is indistinguishable from magic.” Unfortunately many people see computers and the Internet as magical. The mission of the School of Informatics is to educate citizens that advanced information technology is indistinguishable, or at least inseparable, from science and the arts.

The School of Informatics

Moore’s Law says that computing power doubles every 18 months. Regardless of whether that law is literally correct, it illustrates the rapid changes in information technology that will continue throughout the foreseeable future. The School of Informatics prepares student to meet the increasing demand for information technology professionals. The curriculum combines knowledge of a specific subject area (or cognate area) with the concepts in informatics that will help them adapt to technological changes throughout their careers. The proverb says that if you give people fish, you’ve fed them for a day, but if you teach them how to fish, you’ve fed them for a lifetime. Like the proverb, informatics teaches students how to adapt to technological changes while preparing them for lifelong learning in their careers and in their lives.

The undergraduate curriculum looks at information technology from a liberal arts perspective. It goes well beyond a “trade school” approach to educate students in the underlying science of information and information technology and to explore their human implications. The School of Informatics educates students in the technical, psychological, and social aspects of information technology and, at the same time, educates them in the application of information technology to another discipline or “cognate area.”

The curriculum is designed in two axes. One axis is the technical dimension, running from the logical and mathematical foundations of information technology to the issues of distributed information and knowledge systems. The other axis represents the human dimension, from the individual working with a computer and the area of human computer interaction to groups interacting via computers with each other and the areas of social and organizational informatics. Where these two axes cross, we have the intersection of the human and the technical, of art and science. Also at that intersection we have “new media”—the use of computers and the Internet as multimodal communication devices that allow the expression of the human spirit through the visual arts, music, voice, and text.

Thus we have the five areas of the Informatics curriculum: mathematical foundations, distributed information, human computer interaction, social/organizational informatics, and new media.

The curriculum gives students a solid foundation in the five areas while encouraging them to specialize their training through informatics electives and by applying their informatics skills in a cognate area. Bridging the specialization and cognate area is a year-long senior capstone project in which they will not only further specialize but learn practical skills, including teamwork. Central to the idea of the informatics major is that students learn how information technology relates to a traditional discipline in the liberal arts or the professions. Therefore, students take 15-18 credit hours in a cognate area that both
grounds students in the discipline and emphasizes some combination of applications, implications, and foundations of information technology.

In addition to knowledge of core informatics and of informatics in the context of a traditional discipline, students also must take a set of general education courses to ensure that they can communicate clearly in both written and spoken English, read effectively, and reason quantitatively. They must be able to raise and rationally debate ethical concerns suggested by information technologies and their interactions with other people. Students also must have some knowledge of the world and its peoples, and their cultural, artistic, and scientific achievements. To this end, the general education requirements expose students to the arts and humanities, social and historical studies, and the natural sciences.

The school offers a Bachelor of Science degree, four specialized professional master’s degrees, and a variety of undergraduate and graduate programs in new media. Degrees in informatics not only combine existing course offerings, but also create innovative courses and curricula in new and emerging aspects of information technology. Informatics research is conducted at the Informatics Research Institute, which provides expanded educational opportunities for both undergraduate and graduate students.

The Development of the School of Informatics

The School of Informatics has grown out of years of planning and discussion, both at IUB and IUPUI. In the fall of 1997, a Taskforce on Informatics, chaired by Richard Shiffman (Director of the Cognitive Science Program, IUB), was formed to study ways in which the university could capitalize on its strengths in information technology and to make a recommendation for further development. The membership of that taskforce came from both the IUB and IUPUI campuses and represented a wide range of disciplines involved in information technology. This taskforce report recommended that IU establish the School of Informatics.

In the summer of 1998, President Myles Brand created an Informatics Planning Committee chaired by Dennis Gannon (Chair of Computer Science, IUB). The committee was charged with developing a detailed implementation plan for this new school. The committee document outlined how an undergraduate degree in informatics could fruitfully require a substantial number of courses in an area outside of the core informatics courses. It also called for the creation of a research institute and for a small core faculty. The Informatics Planning Committee gave the following motivation for the new school:

The movement of society into the information age involves developments in information science and technology, distributed information processing, computer and cognitive science, social aspects of dealing with distributed information, knowledge retrieval, distributed teaching and learning, information dissemination, and many related themes. All academic and research programs at IUB are (or shortly will be) affected by these developments. This task force recommends that a new school, tentatively titled “School of Informatics,” be formed to promote teaching, training, and research in these areas, and thereby play a catalyzing role in this ongoing evolutionary process.

On January 1, 1999, President Brand appointed an interim dean, J. Michael Dunn (Computer Science and Philosophy, IUB) and an interim associate dean, Darrell Bailey (Music and New Media, IUPUI). With the guidance of a multidisciplinary faculty advisory committee of more than 50 members, the school began to take shape. The Informatics Commission for Higher Education formally approved the school in November, authorizing IU to admit its first informatics majors in the fall of 2000.

One School, Two Campuses

The School of Informatics spans the IU Bloomington (IUB) and Indiana University Purdue University Indianapolis (IUPUI) campuses. By combining the strengths of these two campuses, the School of Informatics is able to create a unique environment that enables students to earn degrees with strong information technology components in arts, humanities, science, and the professions. The expert faculty and excellent technological resources foster a synthesis of academic disciplines and cultures. Faculty from varied departments share developments in the fast-moving information technology areas through the School of Informatics and its degree programs. The school is actively forging cooperative arrangements with employers in the state and region and creating internships, cooperative education programs, and opportunities for learning through service.

The Bloomington Campus

Indiana University Bloomington (IUB) is a residential campus that offers undergraduate, professional, and graduate degrees in more than 70 fields of study. In the fall semester of 1999, the campus had a total enrollment of 36,201, including 27,461 undergraduates and 7,740 students in graduate and professional programs. More than 38 schools and departments at IUB are ranked among the top 10 nationally, with more than 100 ranked in the top 20 in their respective fields.

University Libraries at IUB

The University Libraries at IUB rank third in collection size among the Big Ten universities, fourth in the Committee on Institutional Cooperation (CIC), and thirteenth in the nation among major research libraries. The libraries’ collections include 5 million bound volumes, 4 million microforms, and more than 40,000 current serials. The Main Library houses the undergraduate library and extensive graduate research collections as well as reference services, technical services, government publications, and other essential library services. The Main Library also is home to 4 student computing centers that provide access to more than 200 computer workstations. These facilities are complemented by the 13 campus libraries serving diverse disciplines, such as music, optometry, chemistry, geology, education, business, journalism, and other areas.

University Information Technology Services at IUB

University Information Technology Services (UITS) at IUB supports the application, use, and development of information technology for research, teaching, and learning. UITS makes available more than 1,200 computer workstations located in 43 Student Technology Centers for both scheduled instruction and individual study and more than 200 “InfoStations” and other limited-use workstations in locations across campus for access to e-mail and the Web. The Assistive Technology Lab, located in the Main Library, offers programs and specialized information technology services for students with disabilities. Research computing facilities on campus include the CAVE virtual reality lab, two high-performance supercomputers (a 47-processor IBM SP and a 64-processor SGI/Gray Origin2000), a multiterabyte massive data storage system, and a state-of-the-art campus backbone network. Another strength UITS brings is the Network Operations Centers for both Ablane (Internet 2) and TransPac. These (more fully described in the next section) are housed on the IUPUI campus, but scholars and students in Bloomington also benefit from these high-speed communication links.

In its annual list of America’s 100 most wired colleges, Yahoo! Internet Life has ranked IUB the ninth most “wired” campus in the country, and for the third year in a row has ranked it second among public institutions of higher education. This ranking considers the categories of computer availability and type, undergraduate computer use, e-mail use and access, Web space use and access, networking, degree and distance learning, and educational and administrative uses.

IUB Honors Division

The School of Informatics encourages superior students to take advantage of the Informatics Web site for up-to-date information. At the date of publication, scholarships and awards are funded by the Lilly Endowment and Silicon Graphics, Incorporated. Grants and scholarships also are available through other IU offices, such as Honors Division. Students are encouraged to consult with the Office of Student Financial Assistance (www.indiana.edu/~sfa) for additional funding opportunities.

The IUPUI Campus

IUPUI is an urban campus that combines IU and Purdue programs. In the fall semester of 1999, its schools had a total enrollment of 27,587, including 20,416 undergraduates and 7,171 students in graduate and professional programs. IUPUI currently ranks among the 10 largest campuses in the nation that offer graduate professional degrees.

IUPUI Library

The IUPUI library is a technology learning center that symbolizes the university’s real and virtual information resources. It supports teaching and learning in classrooms, in faculty offices, at the hundreds of workstations in the library, in the IUB centrally supported campus learning centers, and in the home workstations and offices of students. Current holdings within the IUPUI University Library include more than 1,559,689 volumes, more than 36,000 current periodicals and journals, more than 1,197,000 microforms, and more than 52,400 government documents and audiovisual materials. The library includes excellent resources, a powerful communications infrastructure, and widely deployed workstations for students. There are 1,760 dual high-speed connections in the library building that are run throughout the building to 640 individual cable carrels for laptop connectivity, 8 computer clusters, 42 group study rooms, 40 faculty study rooms, a 50-seat general classroom.
University Information Technology Services at IUPUI

University Information Technology Services (UTS) at IUPUI supports the application, use, and development of information technology for research, teaching, and learning. Students have access to more than 500 public workstations across campus. UTS partners with academic schools on campus to provide consulting support in IT student technology centers and operates another 2 centers as campus-wide resources. The network operations center for Attain, the high-speed Internet2 backbone network, is located on the IUPUI campus, as is the network operations center for Trum-PAC, a high-speed network connecting the United States to countries in Asia and the Pacific Rim. The IUPUI campus also is home to the Cisco Networking Academy Training Center and the Cisco Certified Internetwork Expert (CCIE) Practice Lab. One of two such labs in the nation, the CCIE lab provides a testing environment for networking professionals worldwide who are candidates for certification as Cisco Certified Internetwork Experts.

Because Indiana’s government, business, industry, finance, health, service, and nonprofit organizations are centered in Indianapolis, the urban environment plays an important role as a learning resource for students enrolled in the informatics programs. Many of the state’s communication industries are concentrated in the capital city and the larger organizations based here have made commitments to improve their communication and business processes through the use of information and technology. IUPUI has established strong working relationships with both industry and government agencies in communications, information technology, and media arts and sciences.

IUPUI Honors Program

The IUPUI Honors Program offers special opportunities for academically superior students to do honors work or pursue independent study, H-Option courses, graduate courses, or designated honors courses. Students should check the Schedule of Classes for course offerings.

Students who have SAT scores of 1100 or above, rank in the top 10 percent of their high school class, or have a 3.0 grade point average are eligible to enroll in honors courses. For additional information on honors degrees contact the Honors Office, University College 3140, at (317) 274-2660.

Degrees Awarded with Distinction at IUB and IUPUI

For those graduating in the top 10 percent of their undergraduate class, the School of Informatics awards bachelor’s degrees with three levels of distinction: Distinction (3.5 GPA); High Distinction (3.75 GPA); and Highest Distinction (3.90 GPA). The level of distinction is determined by the overall Indiana University grade point average. Students must have taken 60 graded credit hours at Indiana University. The level of distinction is printed on both the final transcript and the diploma.

Informatics Research Institute

Research and theory in informatics move rapidly to application and development. The faculty teaching in the School of Informatics participate in research activities and new applications of technology. As a result, faculty can transmit state-of-the-art knowledge to their students. Indiana University is capitalizing on this great research strength in informatics at both IUB and IUPUI with the formation of an Informatics Research Institute (IRI). The Informatics Research Institute will conduct research in areas of emphases shared with the School of Informatics, including: fundamental research in human computer interaction; fundamental research in capturing, managing, analyzing, and explaining information and making it available for its myriad uses; and expanding research into policy and socioeconomic issues arising from information technology.

Undergraduate Programs

The School of Informatics offers a Bachelor of Science in Informatics, a Bachelor of Science degree in Media Arts and Science, and an Associate of Science degree in Media Arts and Technology.

The very nature of these degrees, with the changing technologies and applications, requires that the content of each degree be continuously assessed and revised. Therefore, the faculty of the School of Informatics will periodically review and revise the curricula to ensure that students are prepared to meet contemporary workplace and intellectual demands. Please contact the School of Informatics office, or refer to our Web site at www.informatics.indiana.edu, www.informatics.iupui.edu, or newmedia.iupui.edu to confirm current program requirements.

Admission

Admission to the School of Informatics, IUB

Students wishing to major in informatics must be admitted to Indiana University and first enter the University Division at IUB. Freshmen should begin to satisfy specific degree requirements in the first year. Undergraduates who wish to be admitted to the School of Informatics must first satisfy the following requirements:

1. Complete 26 credit hours of course work that can count towards a degree in informatics with a minimum cumulative grade point average of 2.0 (C).  
2. Complete INFO 110, Introduction to Informatics, with a minimum grade of C.  
3. Complete the English composition requirement (ENG W151 or equivalent) with a minimum grade of C.  
4. Complete the fundamental math skills requirement (MATH M118, M119, or equivalent) with a minimum grade of C.

Students meeting these requirements must complete a School of Informatics Application form before being considered for admission to the School of Informatics. Application forms are available in the informatics office. Application deadlines are July 1 for fall semester, December 1 for spring semester, and April 15 for both summer sessions.

Admission to the School of Informatics, IUPUI

After students have been admitted by the Enrollment Center at IUPUI, the specific school in which they intend to pursue a degree also must admit them. The School of Informatics welcomes nontraditional students and students entering directly from high school if they wish to pursue an informatics degree and meet the school’s requirements for admission.

Students who have not yet determined their major area of study or who plan to eventually enroll in a professional school may seek admission through the University College. Students who are contemplating degrees in professional areas can benefit from the advice and counsel of informatics faculty at the outset of their academic careers. The School of Informatics office works individually with undecided students and draws on the expert counsel of IUPUI’s Career and Employment Office. The School of Informatics maintains close contact with the University College.

Admission to the New Media Program, IUPUI

All students entering the School of Informatics’ New Media Program must be admitted officially to the university by the Enrollment Center either at IUPUI or enrolled at another Indiana University campus as a degree-seeking student. After students have been admitted to IUPUI, the specific school in which they wish to pursue a degree must also admit them. The New Media Program welcomes nontraditional students and students entering directly from high school if they wish to pursue a new media degree and meet the school’s requirements for admission.

Freshmen: For students entering directly from high school, admission depends on the student’s subject matter preparation, high school rank, and SAT or ACT scores. Freshmen are expected to rank in the upper half of their high school graduating classes.

High school students should file applications early in their senior year. Students who have been out of high school for two or more years need not provide SAT or ACT scores.

Citizens of other countries and recent immigrants should ask the Enrollment Center for the International Application for Admission.

With all applications for admission, a $35 nonrefundable fee is required. Checks should be payable to IUPUI.

Admission to IUPUI is usually open throughout the year; however, students who are not admitted and have not taken the placement test in time to receive counseling may not be able to register until a later semester. Therefore, applicants are encouraged to complete their applications and testing as soon as possible.
soon as possible. Counseling is available. Direct all questions about admissions to: 
Enrollment Center 
IUPUI 
Cavanaugh Hall 
425 University Boulevard 
Indianapolis, IN 46202-5143 

Adult Students:  
Adult special students who are 21 or older may enroll in a maximum of 15 credit hours before they must apply for admission as degree candidates. Adult special students are subject to the same regulations as degree-seeking students. All credits taken as adult special credits can apply toward a bachelor’s or associate degree in accordance with various school requirements.

Visiting Students:  
Students seeking degrees at colleges or universities outside Indiana University may enroll at IUPUI. Students must present to the Enrollment Center a letter of good standing or a transcript verifying at least a 2.0 grade point average from the institution at which they are seeking a degree. Students are generally not allowed to register under this status for consecutive semesters.

Students with Disabilities:  
Students with a learning, hearing, speech, physical, or mental disability that may affect their ability to fulfill a requirement of the school should contact Adaptive Educational Services prior to registering. Requirements normally will not be waived for students with disabilities, but accommodations may be made within specific courses. The office is located in Cavanaugh Hall 009 and can be contacted by calling (317) 274-3241 or TDD number (317) 278-2051.

Undecided Students  
Students who have not yet determined their major area of study or who plan eventually to enroll in a professional school may wish to seek admission initially to the New Media Program as an undecided student. This alternative to the University College is especially recommended for students whose aspirations depend on a strong new media background, on strong analytical skills, or an in-depth knowledge of computer software. Students who are contemplating advanced degrees in professional areas can benefit from the advice and counsel of new media professionals. Undecided students who wish to apply for admission are eligible for direct admission to New Media. The New Media Program Office encourages the direct admission of qualified IUPUI freshmen and transfer students into the program. Students who know which area they wish to pursue may be admitted to the program, while undecided students are admitted to the program as undecided majors.

Undecided students are advised through the New Media Program Office or University College, which works with students individually to select courses and, eventually, majors.

To be eligible for direct admission, applicants must meet the general university and campus requirements. Additionally, freshmen must have a combined SAT I or equivalent test score of 800. Applicants who have been out of high school two or more years are not required to submit test scores, although the standardized tests are highly recommended. Evaluation of students who request admission without presenting test scores will be made on an individual basis.

Applicants who do not qualify for direct admission may be considered for probationary admission to the University College. Students who qualify for probationary admission according to campus guidelines may be admitted directly to the New Media Program on a probationary status according to the procedures described in the following section.

Probationary Admission to New Media  
Individuals who do not qualify for a direct admission or whose college grade point average is lower than 2.0 (C) may petition the New Media Program for a probationary admission. Special consideration is given to adult learners and students returning after five or more years. Guidelines are available from the New Media Program Office, Sycamore Hall 339, (317) 278-7656.

Deadline to enroll for the fall semester: July 15
Deadline to enroll for spring semester: November 15
Deadline to enroll for summer session: April 15

At the discretion of the dean, the New Media Program may admit on a probationary basis those students who do not meet the minimum requirements for direct admission. To be considered for probationary admission, students must be in the upper two-thirds of their high school graduating class and have combined SAT I scores of at least 850. Such students are counseled through the New Media Program Office and remain on probation until they have successfully raised their cumulative grade point average to 2.0 (C) and satisfied any other limitations set. Students admitted on probationary status become eligible for dismissal if they fail to achieve a minimum GPA of 2.3 during each semester until they have reached a minimum cumulative GPA of 2.0 (C). Students who do not achieve a cumulative grade point average of 2.0 (C) after two semesters, or 24 credit hours, will be dismissed.

Application Materials and Deadlines  
Application materials and additional information are available from:

Bloomington:  
Office of Admissions  
Indiana University  
330 N. Jordan Avenue  
Bloomington, IN 47405-1006  
(812) 855-0881  
E-mail: iuadmit@indiana.edu  
Web: www.indiana.edu/~iuadmit

Indianapolis:  
Office of Admissions  
IUPUI  
620 N. Union Drive, 207  
Indianapolis, IN 46202-5143  
(317) 274-4598  
E-mail: apply@iupui.edu  
Web: www.iupui.edu/admissions.htm

International students should request the International Application for Admission from:

International Admissions  
Indiana University  
330 N. Jordan Avenue  
Bloomington, IN 47405-1006  
(812) 855-4306  
E-mail: intladm@indiana.edu  
Web: www.indiana.edu/~intladm

Students also may contact the School of Informatics for additional information:

School of Informatics  
Indiana University  
Sycamore Hall 339  
Bloomington, IN 47405  
(812) 855-5754  
E-mail: informat@indiana.edu  
Web: informatics.indiana.edu

School of Informatics, New Media Program  
IUPUI  
Sycamore Hall 339  
Mary Cable Building, (53) Room I77  
Indianapolis, IN 46202-5167  
(317) 278-7656  
E-mail: info@informatics.iupui.edu  
Web: informatics.iupui.edu

Priority Dates for Application for Admission to Indiana University—Bloomington  

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Priority Dates for Application for Admission to Indiana University—Purdue University Indianapolis

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Program Planning and Counseling

The School of Informatics and New Media Program provides counseling services to assist students in planning their study. Students who have chosen a major are assigned an advisor and should make an appointment with that advisor prior to each registration period to discuss long-term goals as well as specific course work for the upcoming semester. Consulting an advisor is a semester-by-semester obligation of students to ensure ongoing progress toward a degree.

Students, however, are responsible for their progress. They should be thoroughly familiar with the general requirements for an informatics degree or a new media degree. Students are urged to complete most of their general education requirements during the freshman and sophomore years.

In planning a program, students should refer to both the Schedule of Classes and this bulletin. Special attention should be paid to course descriptions and prerequisites. This bulletin identifies prerequisites with a "P:" corequisites with a "C," and recommended courses with an "R." Students should not enroll in courses for which they do not have the prerequisites. Instructors may require a student to drop a class if the student has not fulfilled the prerequisites.

Transfer Students

Transfers from Other Undergraduate Schools on the IUB Campus

Students transferring to the School of Informatics at IUB from other undergraduate schools of the university—such as the College of Arts and Sciences or the Schools of Business, Education, Public and Environmental Affairs, or Music—must have completed at least 26 credit hours of course work that can count towards a degree in Informatics, with a minimum cumulative grade point average of 2.0 (C). Students also must complete INFO 101, Introduction to Informatics, the English composition requirement, the mathematics requirement, and receive a grade of C or higher in all three courses before entering the School of Informatics. Requests for transfer must be completed by July 1 for the fall semester, December 1 for the spring semester, or April 15 for the summer sessions.

Transfers from Other Undergraduate Schools on the IUPUI Campus

Students with a minimum grade point average of 2.0 (C) who wish to transfer from another IUPUI school to the School of Informatics may do so by filing a Change of Record form. For details, check with the Informatics office, Mary Cable Building 117, (317) 278-7666.

Transfers within the School of Informatics on the IUB and IUPUI Campuses

Transfer students admitted to the School of Informatics on the IUB campus transferring to the School of Informatics on the IUPUI campus, or vice versa, should file an Inter-Campus Transfer Form. Inter-Campus Transfer Forms will be accepted throughout the year.

Transfers from Other Indiana University Campuses

Please consult “Transfer to Other Indiana University Campuses” at the back of this bulletin for information on transfers between Indiana University campuses.

Transfers from Other Colleges and Universities to IUB

Students who have completed at least 26 credit hours that can count towards a degree in the School of Informatics—including the English composition and the fundamental math skills requirements—may apply for admission to the School of Informatics at IUB. Upon acceptance, students must enroll in INFO 101, Introduction to Informatics, during their first semester and complete the course with a minimum grade of C.

The Office of Admissions at IUB will determine acceptance of credit from other institutions. The dean of the School of Informatics will determine the applicability of credit toward degree requirements. Please consult “Undergraduate Admissions Policy” at the back of this bulletin for more information about transfers from other colleges and universities.

Transfers from Other Colleges and Universities to IUPUI

Students with transfer credit from other colleges or universities may be considered for admission to the School of Informatics or the New Media Program. Transcripts of credits and grades earned in all subjects at previous institutions should be presented to the Enrollment Center where credits will be evaluated.

The Enrollment Center at IUPUI will determine acceptance of credit from other institutions. The dean of the School of Informatics or the New Media Program Office will determine the applicability of credits toward degree requirements. Please consult “Undergraduate Admissions Policy” at the back of this bulletin for more information about transfers from other colleges and universities.

Transfer Credit Rules

Credits transferred to the IUB or IUPUI campuses are generally evaluated according to the following rules:

1. Courses taken at other institutions in which the student earned a grade below C do not transfer.
2. Courses taken at other institutions on a quarter system rather than a semester system will be evaluated as carrying fewer credit hours (e.g., a 3 credit hour course taken on a quarter system will transfer as 2.5 credits).
3. Courses taken at other institutions for which there is an equivalent IUB course (in terms of course description, level, and prerequisites) generally will be evaluated as credit in the equivalent IUB courses.
4. Courses taken at other institutions for which there is no equivalent IUB course (in terms of course description, level, and prerequisites) generally will be evaluated as “undistributed” credit (marked UND on the IUB transcript). Undistributed (UND) credits generally count toward the student’s degree requirements, but the School of Informatics determines how the credits apply (either toward a requirement or as an elective).
5. Transfer students who have questions about how their previous course work will apply to their degree or who encounter difficulties in the process of transferring credit should contact the School of Informatics or the New Media Program Office.

Academic Regulations

Absences

From Final Examinations

Students are required to adhere to the policies regarding final examinations as published in the Schedule of Classes.

From Scheduled Classes

Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up.

Credit for Correspondence Courses

With prior approval, the School of Informatics will accept a maximum of two courses (6 credit hours total) by correspondence study to count toward the degree requirements. Only General Elective courses may be taken by correspondence. Distance learning courses and courses conducted on-line are not considered correspondence courses, and they do not have a credit hour limit associated with them.

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With prior approval, the School of Informatics will accept a maximum of two courses (6 credit hours total) by correspondence study to count toward the degree requirements. Only General Elective courses may be taken by correspondence. Distance learning courses and courses conducted on-line are not considered correspondence courses, and they do not have a credit hour limit associated with them.

Degree Application

Candidates for graduation must file an application with the school by March 1 for December graduation and October 1 for May, June, or August graduation. Credits for all course work, except the current semester, must be recorded on the candidate’s Indiana University transcript at least one month prior to the date of graduation.

Statute of Limitations

Candidates for the bachelor’s degree in informatics have the right to complete the degree requirements specified by the bulletin in effect at the time they entered Indiana University, provided that the required courses are available and that no more than eight calendar years have elapsed since the date of entry.

Grading Policies

The School of Informatics follows the official grading system of Indiana University, which is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.00</td>
</tr>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A–</td>
<td>3.70</td>
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<tr>
<td>B+</td>
<td>3.30</td>
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<tr>
<td>B–</td>
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<tr>
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<tr>
<td>C</td>
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<tr>
<td>D–</td>
<td>0.70</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

The following grades carry no grade points: I (Incomplete), NC (No Credit), NR (No Report Filed by Instructor), F (Failing), R (Deferred), S (Satisfactory), W (Withdrawn).

Grade Point Average

The cumulative grade point average is computed by dividing the total number of grade points earned by the total number of credit hours completed in which grades of A through F are assigned. Credit earned at another institution may be applied toward degree requirements, but the grades earned at other institutions will not be calculated in the Indiana University cumulative grade point average.

Change of Grade

A student desiring a change of grade should discuss the situation with the instructor. A change of grade must be justified. If the instructor agrees, the faculty member will file a Grade Change Authorization Form. If the instructor and student do not agree on a changed grade or if the instructor cannot be located, the student should discuss the matter with the chairperson or director of the department offering the course. Appeals unresolved at this level may be referred to the academic dean. Appeals of grades or requests...
**Cheating**

Cheating is dishonesty of any kind with respect to course assignments, alteration of records, or examinations. It is the responsibility of the student to ensure that the work submitted is his or her own. Cheating is the use or attempt to use unauthorized means in obtaining or attempting to obtain an advantage in an academic assignment or examination. Students who violate the code of academic honesty are subject to dismissal from the University.

A student who helps another student cheat is as guilty of cheating as the student assisted. The student who helped commit cheating will be subject to the same penalties as the student who committed the cheating.

**Academic Misconduct**

Students who engage in academic misconduct will be subject to disciplinary action. The School of Informatics will calculate FX grades as grades of F for internal purposes and degree requirements. This calculation will apply to all categories of academic standing: good standing, probation and dismissal, class rank, and all grade point average requirements in the degree, including cumulative, semester, and major concentrations.

Students who have received a grade of Incomplete should not register for the course the second time but should arrange with the instructor to have the grade changed to a letter grade upon completion of requirements, provided that it is done within the year.

**Pass/Fail Option**

Students in the School of Informatics may elect to take a maximum of 12 credit (4 courses) hours total under the Pass/Fail option. The procedure for declaring this option may be found in the Schedule of Classes. Special regulations affecting the Pass/Fail option for School of Informatics students are as follows:

1. Only one course per semester or one course per summer session may be taken under the Pass/Fail option.
2. School of Informatics students may not take any information courses Pass/Fail. In addition, the Pass/Fail option may not be used for any course that satisfies an admission or general-education electives requirements or the student’s cognate area.
3. Only university elective courses may be taken on a Pass/Fail basis.
4. A grade of P is not counted in the grade point average; a grade of F is included.

**R Grade**

The R grade (Deferred) on the final report indicates that the nature of the course is such that the work of the student can be evaluated only after two or more terms. Courses in which an R grade is assigned will be announced as deferred grade courses in the Schedule of Classes.

**Incomplete Courses**

A temporary grade of Incomplete (I) on the transcript indicates that the course work is mostly completed, generally 75 to 80 percent, and of passing quality.

It is the student’s responsibility to contact the instructor to have a grade of Incomplete assigned. The instructor specifies the work to be done to remove the grade of Incomplete and the period of time allowed for completion. If the student fails to remove the Incomplete within one calendar year, the Office of the Registrar will change the grade to an F. The dean (or instructor) authorizes adjustments of this period in exceptional circumstances. A student who has received a grade of Incomplete should not register for the course the second time but should arrange with the instructor to have the grade changed to a letter grade upon completion of requirements, provided that it is done within the year.

**Semester Load**

A typical full-time academic load is 12 to 17 credit hours per semester, with the average load being approximately 15 credit hours. Students who wish to carry more than 12 credit hours in a semester must have the approval of an academic advisor or dean.

**Academic Probation**

Students will be placed on academic probation if their cumulative or semester grade point average (semester grade index) is below 2.0. After one semester on probation, students who fail to return to good academic standing will be placed on critical probation. At the discretion of the dean, these students can be dismissed. If a student is given the opportunity to enroll under critical probation, the School of Informatics will establish strict conditions that must be met before that student will be allowed to register for future classes.

**Dismissal**

Students can be dismissed if they fail to return to good academic standing after one semester on critical probation. Students may also be dismissed if, in the opinion of the dean, they are not making satisfactory progress toward their degree.

**Readmission**

Students eligible for dismissal will be notified in writing that they have been dismissed and will be withdrawn from classes for which they have registered.

**IUPUI**

To withdraw from any or all courses, students must submit to the registrar’s office a Schedule Adjustment form that has been signed by the advisor. If forms are turned in no later than the beginning of classes, the course will be deleted from student records, except for complete withdrawals, which result in the grade of W (Withdrawal) on student records. If withdrawals are turned in by the end of the first half of the semester or summer session, the grade of W is automatically given and recorded on an official transcript. Thereafter, but prior to the end of the third quarter of classes, both the advisor’s and the instructor’s signatures are required for withdrawal, and the instructor designates the grade of W or F.

**Office in Franklin Hall 206 in order to complete the withdrawal process.**
also should do everything possible to induce respect for the examining process and for honesty in the performance of assigned tasks in or out of class.

Plagiarism
Plagiarism is assuming credit for someone else’s work, words, or ideas — whether or not the ideas are expressed in the borrower’s own words. Honesty requires that any ideas or materials taken from another source for either written or oral use must be fully acknowledged. Plagiarism includes language or ideas taken from isolated formulas, sentences, or paragraphs; entire articles copied from books, periodicals, speeches; the writings or created works of others; and materials assembled or collected by others in projects or collections without acknowledgement.

A faculty member who has evidence that a student is guilty of cheating or plagiarism will initiate the process of determining the student’s guilt or innocence. No penalty will be imposed unless the student has been informed of the charge and of the evidence on which it is based and has been given an opportunity to present a defense. If the faculty member finds the student guilty, the faculty member assesses a penalty within the course and promptly reports the case in writing to the dean of the school or comparable head of the academic unit. The report should include the names of any other students who may be involved in the incident and recommendations for further action. The dean, in consultation with the faculty member if the latter so desires, will initiate any further disciplinary proceedings and inform the faculty member of any action taken. In every case, a record of the offenses remains on file.

For further regulations, please refer to the IU Code of Student Rights, Responsibilities, and Conduct.

Student Grievance Procedures
All academic personnel (faculty, part-time instructors, and advisors) are expected to conform to the Code of Academic Ethics published in the Indiana University Academic Handbook. Students who feel that they have been treated unfairly by a faculty member may lodge a complaint by following these steps: (1) Discuss the matter with the faculty member or instructor. (2) If step 1 fails to resolve the situation, discuss the matter with the chairperson of the department or the coordinator of the program in which the faculty member is employed. The departmental chairperson will discuss it with the faculty member and seek some resolution. (3) If step 2 fails, the student may discuss the matter or file a written, signed complaint with the dean. Anonymous complaints will not be entertained. A copy of any written complaint will be forwarded to the faculty member, who may respond in writing. (4) When warranted, the dean may refer a written complaint and the faculty member’s response to the Faculty Affairs Committee for further investigation and review. (5) The Faculty Affairs Committee will evaluate the complaint on the basis of university policy and may recommend to the dean that the instructor be sanctioned. If the committee finds the complaint to be unfounded, a letter to that effect may be placed in the student’s file.

Informatics Degree Programs, IUB and IUPUI

Academic counseling for each student in the School of Informatics is provided by a faculty member or an academic advisor prior to each semester’s enrollment. Although academic counseling is intended to provide effective guidance, students are responsible for planning their own programs and for meeting the following degree requirements for graduation. Students are advised to read bulletin descriptions of all courses selected, paying careful attention to conditions concerning awarding of credit.

The Indiana University Course Analysis and Record Evaluation (IUCARE), a computerized degree-audit system, is available to all students. Students may use IUCARE to monitor their completed and remaining requirements for a Bachelor of Science degree in Informatics. Every fall and spring semester, printed copies of the advising report are distributed to students along with their registration tickets.

Bachelor of Science in Informatics, IUB and IUPUI

General Requirements
Students must successfully complete a minimum of 122 credit hours for the Bachelor of Science degree. The campus at which a student is admitted will award the degree. Students may transfer no more than 60 credit hours toward a Bachelor of Science degree. Students must complete the specific degree requirements of the School of Informatics as listed below.

1. Students must complete a minimum of 30 credit hours in courses at the 300-400 (junior-senior) level.
2. Students must have a minimum cumulative grade point average of 2.0 (C).
3. Students are expected to complete the requirements for their undergraduate degree within eight years of admission to the School of Informatics. Students are allowed to continue beyond this time period only at the discretion of the dean. If a student has not taken classes for three years or more, that student must satisfy program requirements of the School of Informatics in effect at the time of reactivation. Requests for deviation from requirements listed in the Bulletin must be approved in writing by the dean, whose decision is final.
4. Courses that fulfill the requirements for a cognate area also may meet the general education distribution requirements.
5. Cognate area courses cannot count as informatics core courses or informatics electives.
6. If cognate area courses are equivalent to informatics core courses, students should substitute additional informatics elective courses in place of informatics core courses to meet the 30 credit hour requirement.

With prior approval from the dean, a student may substitute INFO I450/I451 and INFO I460/I461 with an equivalent capstone experience in another department, and complete 6 credit hours of INFO I420, Internship in Informatics Professional Practice, to fulfill the capstone experience. Internships require students to be at a junior or senior standing. A project or report must be submitted after the internship is completed.

Recommended Courses
The following courses are recommended for students who lack a strong computing background. These courses are considered general elective courses.

INFO 101 Basic Tools of Informatics—Programming Concepts (1.5 cr.) IUB only
INFO 102 Basic Tools of Informatics—Introduction to Databases (1.5 cr.) IUB only
INFO 107 Basic Tools of Informatics—Programming and Database Concepts (3 cr.) IUPUI only
INFO 301 Business Management Information Systems (3 cr.)
BUS 3305 Business Telecommunications (3 cr.)
BUS 3307 Data Management (3 cr.)
BUS 3310 Systems Analysis and Design (3 cr.)
BUS 4505 Alternative Development Methods and Systems (3 cr.)
BUS 4510 Systems Implementation (3 cr.)
CSE 5033/5035 CSE 5033 Introduction to Artificial Intelligence and Computer Simulation (3 cr.)
INFO 1300 Human Computer Interaction (3 cr.)
INFO 1310 Multimedia Arts and Technology (3 cr.)
INFO 1320 Distributed Systems and Collaborative Computing (3 cr.)
INFO 1400 Topics in Informatics (3 cr.)
JOUR 2300 Journalism/Communications Law (3 cr.)
JOUR 4411 Globalization of Information (also International Newspapering Systems) (3 cr.)
SOC 3310 Science, Technology, and Society (3 cr.)
TEL 2331 Telecommunications Policymaking (3 cr.)
TEL 2420 Economics of Communications (3 cr.)
TEL 2427 International Telecommunications (3 cr.)
The selection of informatics electives will vary between the IUB and IUPUI campuses. Any course at the 300 level or above in computer science (IUB), computer technology (IUPUI), computer and information science (IUPUI), or new media (IUPUI), can count as an elective. Note: All of the above courses are subject to the successful completion of prerequisites or approval of the instructor. This list is expanding. Students should consult the School of Informatics office or refer to our Web site at informatics.indiana.edu or informatics.iupui.edu for the most current list of informatics electives. Students also may count other courses with informatics content as informatics electives upon approval of the dean.

Cognate Area Courses (15–18 cr.)
Departments offering informatics cognate courses are listed in the appendix. Students should, in consultation with their academic advisors, choose cognate areas before their sophomore years. Students should contact the School of Informatics office or refer to our Web site at informatics.indiana.edu or informatics.iupui.edu for the most current list of cognate areas.

General-Education Requirements (38–41 cr.)

General Education Requirements (38–41 cr.)

English Composition (3 cr.)

IUB: 1. Exemption without credit. Students scoring 670 or above on the SAT Verbal Examination, or 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section, are exempt from English composition.

2. Exemption with credit. A student will be granted 2 credit hours of English W143 if the student has

a. a score of 660 or above on the SAT Verbal Examination, 32 or above on the ACT English Writing Test, and if the student applies to the Department of English.

b. a score of 660 or above on the SAT Verbal Examination, 32 or above on the ACT English Composition section, or 4 to 5 on the Advanced Placement English Composition section, plus

3. Completion of any of the following options with a minimum grade of C (2.0):

a. ENG W102 Writing Across the Curriculum (3 cr.)

b. ENG W203 Elementary Composition (3 cr.)

c. ENG W107 Projects in Reading and Writing (3 cr.)

d. ENG L141 and L142 Introduction to Writing and the Study of Literature I-II (4 cr.)

e. AFRO A141 Introduction to African-American Literature and the Study of Black Literature I-II (4 cr.)

f. Two semesters of ENG W143 Interdisciplinary Study of Expository Writing (1 cr.), combined with two introductory courses (3 cr.) from the following: CMPL CH145, CH146, CH146 Major Themes in Literature.

g. A combination of any two courses from d, e, and f above.

Note: Courses taken under these options, except for ENG W110, W111, W143, and W170, may, if they are so designated, be applied toward distribution requirements.

IUPUI: ENG W203 Elementary Composition I (3 cr.) with a grade of C (2.0) or better.

Writing (3 cr.)

IUB: ENG W221 Professional Writing Skills, an approved substitute (3 cr.), or completion of one intensive writing course at the 200 level or above after completing the English composition requirement.

Intensive writing courses at IUB are defined by the College of Arts and Sciences (COAS), at IUPUI they are defined by the "writing throughout the curriculum" requirements.

Students must check the listings for courses in the Schedule of Classes each semester to make certain the course section they have chosen fulfills the requirement.

Oral Communication (3 cr.)

IUB: ENG C221 Public Speaking, or approved substitute (3 cr.).

IUPUI: COMM R110 Fundamentals of Speech Communication (3 cr.).

Quantitative and Analytical Skills (6 cr.)

IUB: 1. Select one of the following: MATH D116-117 Introduction to Finite Mathematics I-II; MATH A118 Finite Mathematics, or 310 Honors Finite Mathematics; MATH M119 Brief Survey of Calculus I; MATH M211 Calculus I; MATH M212 Calculus II or M222 Honors Calculus II; MATH M213 Accelerated Calculus. Credit not given for both M119 and M211, or M212 and M213.

2. Required: MATH M305, Statistics for Informatics, or another approved course in research methods or statistics (3 cr.).

Credit will be given for only one of the following: MATH M306, M306 Introduction to Probability and Statistics; MATH/PSY K100 Statistical Techniques; K300 Statistical Techniques; CJUS K300 Techniques for Data Analysis; SPEA K300, ECIN E370 Statistical Analysis for Business and Economics, S270 Statistical Analysis for Business and Economics; Honors; or SDC S371 Statistics for Sociology.

IUPUI: 1. Select one of the following: MATH M118 Finite Mathematics, M219 Brief Survey of Calculus I, M265 Integrated Calculus and Analytic Geometry I, or M164 Integrated Calculus.

2. Required: STAT 311 Introductory Probability (3 cr.) or MATH M306 Statistics for Informatics (3 cr.).

Natural Sciences (8 cr.)

IUB: Three natural science courses, identified by the College of Arts and Sciences (COAS) as NNNS courses, of more than 1 credit each. One of the courses must have an associated laboratory.

IUPUI: A minimum of 8 credit hours selected from the following:

- ANTH A105 Human Origins and Prehistory (3 cr.)
- AST A100 The Solar System (3 cr.)
- A05 Steller Astronomy (3 cr.)

BUSD 301 Concepts of Biology I-Plants (5 cr.), K103 Concepts of Biology II-Animals (5 cr.), N103 Contemporary Biology (3 cr.), N107 Introduction to Zoology (4 cr.), N200 The Biology of Women (3 cr.), N212 Human Biology (2 cr.), N213 Human Biology Laboratory (1 cr.), N214 Human Biology (2 cr.), N215 Human Biology Laboratory (1 cr.), N217 Human Physiology (5 cr.), N219 Introduction to Microbiology (3 cr.), N222 Introductory Principles of Genetics (3 cr.),

CHEM C100 The World of Chemistry (3 cr.),

C101 Elementary Chemistry I (5 cr.),

C102 Elementary Chemistry II (5 cr.),

C105 Principles of Chemistry I (3 cr.),

C105 Principles of Chemistry II (3 cr.),

GEOL G107 Physical Systems of the Environment (3 cr.), G108 Physical Systems of the Environment: Laboratory (2 cr.), GEBS Global Environmental Change (3 cr.), E303 Weather and Climate (3 cr.), E307 Biogeography: The Distribution of Life (3 cr.).

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IUPUI: COMM R110 Fundamentals of Speech Communication (3 cr.).

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2. Required: STAT 311 Introductory Probability (3 cr.) or MATH M306 Statistics for Informatics (3 cr.).

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BUSD 301 Concepts of Biology I-Plants (5 cr.), K103 Concepts of Biology II-Animals (5 cr.), N103 Contemporary Biology (3 cr.), N107 Introduction to Zoology (4 cr.), N200 The Biology of Women (3 cr.), N212 Human Biology (2 cr.), N213 Human Biology Laboratory (1 cr.), N214 Human Biology (2 cr.), N215 Human Biology Laboratory (1 cr.), N217 Human Physiology (5 cr.), N219 Introduction to Microbiology (3 cr.), N222 Introductory Principles of Genetics (3 cr.),

CHEM C100 The World of Chemistry (3 cr.),

C101 Elementary Chemistry I (5 cr.),

C102 Elementary Chemistry II (5 cr.),

C105 Principles of Chemistry I (3 cr.),

C105 Principles of Chemistry II (3 cr.),

GEOL G107 Physical Systems of the Environment (3 cr.), G108 Physical Systems of the Environment: Laboratory (2 cr.), GEBS Global Environmental Change (3 cr.), E303 Weather and Climate (3 cr.), E307 Biogeography: The Distribution of Life (3 cr.).
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 115</td>
<td>Literature for Today (3 cr.)</td>
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<tr>
<td>FLAC F200</td>
<td>World Cultures Through Literature (3 cr.)</td>
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<td>FOLK F101</td>
<td>Folklore (3 cr.)</td>
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<tr>
<td>HER H100</td>
<td>Art Appreciation (3 cr.)</td>
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<td>HER H101</td>
<td>History of Art I (3 cr.)</td>
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<td>HIST H106</td>
<td>American History II (3 cr.)</td>
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<td>HIST H108</td>
<td>Perspectives on the World to 1800 (3 cr.)</td>
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<td>History of Western Civilization I (3 cr.)</td>
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<td>HIST H217</td>
<td>The Nature of History (3 cr.)</td>
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<td>Introduction to Philosophy (3 cr.)</td>
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<td>PHIL P115</td>
<td>Ethics (3 cr.)</td>
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<td>Comparative Religions (3 cr.)</td>
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<td>REL R123</td>
<td>Introduction to Religion (3 cr.)</td>
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<td>American Religion (3 cr.)</td>
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<td>REL R180</td>
<td>Introduction to Christianity (3 cr.)</td>
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<td>REL R221</td>
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<td>MUS M174</td>
<td>Music for the Listener (3 cr.)</td>
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<td>WOST W105</td>
<td>Women’s Studies (3 cr.)</td>
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<td>ENG L115</td>
<td>Literature for Today (3 cr.)</td>
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<td>World Cultures Through Literature (3 cr.)</td>
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<td>HER H101</td>
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<td>American History I (3 cr.)</td>
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<td>HIST H106</td>
<td>American History II (3 cr.)</td>
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<td>HIST H108</td>
<td>Perspectives on the World to 1800 (3 cr.)</td>
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<td>HIST H109</td>
<td>History of Western Civilization I (3 cr.)</td>
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<td>HIST H217</td>
<td>The Nature of History (3 cr.)</td>
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<td>PHIL P110</td>
<td>Introduction to Philosophy (3 cr.)</td>
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<td>PHIL P115</td>
<td>Ethics (3 cr.)</td>
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<td>REL R122</td>
<td>Comparative Religions (3 cr.)</td>
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<td>REL R123</td>
<td>Introduction to Religion (3 cr.)</td>
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<td>REL R173</td>
<td>American Religion (3 cr.)</td>
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<td>REL R180</td>
<td>Introduction to Christianity (3 cr.)</td>
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<td>REL R221</td>
<td>Comparative Religions (3 cr.)</td>
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<td>MUS M174</td>
<td>Music for the Listener (3 cr.)</td>
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**Certificate in Informatics**

1. Minimum grade of 2.0 (C) in all courses taken for the certificate.
2. Students are required to take

   - INFQ 161 Introduction to Informatics (3 cr.)
   - INFQ 200 Information Representation (3 cr.)
   - INFQ 201 Social Informatics (3 cr.)
   - INFQ 210 Information Infrastructure I (4 cr.) (cross-listed with CSSE A201 Introduction to Programming I (IUB), and CSSE N231 Visual Basic Programming (IUPUI))
   - INFQ 211 Information Infrastructure II (4 cr.) (cross-listed with CSSE A202 Introduction to Programming II (IUB), and CSSE N234 Advanced Programming, Java (IUPUI))
   - INFQ 300 Human Computer Interaction (3 cr.)
   - INFQ 302 Organizational Informatics (3 cr.)

   In addition, students must take two courses from the list of approved informatics elective courses

**Minor in Business, IUB**

IUB students pursuing a bachelor’s degree in the School of Informatics may obtain a minor in business by successfully fulfilling the following requirements:

- BUS A200 (or equivalent) Foundations of Accounting (3 cr.)
- BUS K201 The Computer in Business (3 cr.)
- BUS L201 Legal Environment of Business (3 cr.)
- BUS M300 Introduction to Financial Management (3 cr.)
- BUS P300 Introduction to Operations Management (3 cr.)
- BUS Z302 Managing and Behavior in Organizations (3 cr.)

Students completing a business minor should fill out an Application for Minor form during their senior year to have the minor listed on their transcripts.

**Minor in Business, IUPUI**

IUPUI students pursuing a bachelor’s degree in the School of Informatics may obtain a minor in business by successfully fulfilling the following requirements:

- BUS A000 Basic Accounting Skills (1 cr.)
- BUS A201 Introduction to Financial Accounting (3 cr.)
- BUS A202 Introduction to Managerial Accounting (3 cr.)
- ECON E201 Introduction to Microeconomics (3 cr.)
- ECON E202 Introduction to Macroeconomics (3 cr.)
- ECON E270 Introduction to Statistical Theory in Economics (3 cr.)
- MATH M108 Finite Mathematics (3 cr.)
- MATH M109 Brief Survey of Calculus I (3 cr.)

In addition, BUS K201 the Computer in Business, or its equivalent, must be completed with a minimum grade of C prior to starting the integrative core. Students are required to take the integrative core, which is 8 credit hours taken together as a single educational unit (BUS F301 Financial Management, M301 Introduction to Marketing Management and P301 Operations Management).

In addition to the 12 required courses listed above, BUS K204 Business Communications, BUS L302 Commercial Law I, and BUS Z302 Managing and Behavior in Organizations are recommended.
Minor in Computer Science, IUB
Students pursuing a bachelor’s degree in the School of Informatics may obtain a minor in computer science by successfully completing a minimum of 15 credit hours that include the following requirements:
- CSCI C210 Introduction to Computer Science (4 cr.)
- CSCI C212 Introduction to Software Systems (4 cr.)
- CSCI C241 Discrete Structures for Computer Science (3 cr.)
- CSCI C335 Computer Structures (4 cr.)
- CSCI C343 Data Structures (4 cr.)

Note: CSCI C210, CSCI C212, and CSCI C241 replace INFO I210, INFO I211, and INFO I201 respectively.

Minor in Information Technology, IUB
Students pursuing a bachelor’s degree in the School of Informatics may obtain a minor in information technology by successfully completing a minimum of 15 credit hours that include the following requirements:
- CSCI A201/A202 or CSCI C210/C212 Introduction to Programming I and II (4 cr./4cr.)
- CSCI A247 Network Technologies and Administration (4 cr.)
- CSCI A346 User-Interface Programming (3 cr.)
- CSCI A348 Mastering the World Wide Web (4 cr.)

CSCI A112 Basic Tools in Informatics—Programming and Database Concepts is recommended for students without a programming background.

Note: CSCI A201 and CSCI A202 are equivalent to INFO I210 and INFO I211, and CSCI C210 and CSCI C212 substitute for these informatics courses respectively.

Undergraduate Courses in the School of Informatics, IUB and IUPUI
The abbreviation “P” refers to the course prerequisite or prerequisites. The number of hours of credit given a course is indicated in parentheses following the course title.

I101 Introduction to Informatics (3 cr.)
P: Computer literacy. Emphasis on topics in human computer interaction and human factors, collaborative technologies, group problem solving, ethics, privacy, and ownership of information and information sources, information representation and the information life cycle, the transformation of data to information, and futuristic thinking.

I102 Basic Tools of Informatics I—Programming Concepts (1.5 cr.)
P: CSCI A110, CSCI A111, or equivalent computing experience. Introduction to programming for users of computer systems. An eight-week lecture and laboratory course. Cross listed with CSCI A112. Credit given for only one of the following: INFO I110, CSCI A112, or INFO I112.

I111 Basic Tools of Informatics II—Introduction to Databases (1.5 cr.)
P: CSCI A110, CSCI A111, or equivalent computing experience. Introduction to database design concepts. Entering and modifying data, accessing data using visual tools and SQL, building database applications using forms and application development tools. Emphasis on problem-solving techniques. An eight-week lecture and laboratory course. Cross listed with CSCI A114. Credit given for only one of the following: INFO I111, CSCI A112, or INFO I112.

I112 Basic Tools of Informatics—Programming and Database Concepts (3 cr.)
P: CSCI A110, CSCI A111, or equivalent computing experience. Introduction to programming and database design concepts. Emphasis on problem-solving and information-gathering techniques. The lecture will discuss general concepts and syntax. The lab will focus on the use of software, including a programming language, modifying and accessing data using visual tools, and building database applications using forms and development tools. Lecture and laboratory. Offered on the IUPUI campus only. Equivalent to the combination of INFO I110 and INFO I112. Credit given for only one of the following: INFO I110, CSCI A315 (IUPUI), CSCI A312 (IUB), or CSCI C212 (IUB).

I200 Information Infrastructure I (4 cr.)
Recommended prerequisite or concurrent: INFO I101. The software architecture of information systems. Basic concepts of systems and applications programming. Credit given for only one of the following: INFO I210, CSCI N331 (IUPUI) or CSCI A201 (IUB).

I201 Information Infrastructure II (4 cr.)
P: INFO I210. The software architecture of distributed applications. Advanced programming, including an introduction to the programming of graphical systems. Cross listed with CSCI A210. Credit given for only one of the following: INFO I211, CSCI N335 (IUPUI), CSCI A202 (IUB), or CSCI C212 (IUB).

I210 Human Computer Interaction (3 cr.)

I220 Organizational Informatics (3 cr.)
P: INFO I210. Examines the various needs, uses, and consequences of information in organizational contexts. Topics include organizational types and characteristics, functional areas and business processes, information-based products and services, the use of and redefining role of information technology, the changing character of work life...
New Media Degree Programs, IUPUI

The New Media Program, located at IUPUI, an Associate of Science in Media Arts and Technology, a Bachelor of Science in Media Arts and Science, and a Certificate in Informatics Application Development, all provide an integrated approach to the study of new media. Focused on applied research and application, these degrees are oriented toward professional practice. Together, they encompass the design, development, management, integration, application, assessment, and deployment of new and digital media to communication.

The programs and requirements described apply in the New Media Program at Indianapolis.

Associate of Science in Media Arts and Technology

Course Requirements
The course work required for the A.S. in New Media consists of three parts:
- New Media Core Courses
- General-Education Requirements
- General Electives

Required New Media Core Courses (18 cr.)
- NEWM N100 Introduction to Digital Media Principles (3 cr.)
- CSCI N241 Introduction to Web Design (3 cr.)
- NEWM N141 Topics in Interactive Multimedia (3 cr.)
- ENG W132 English Composition II (3 cr.) or JOUR J200 Reporting, Writing, and Editing I (3 cr.)
- Foreign Language (6 cr.)
- Analytical Skills (6 cr.)
- MATH M111 Algebra (4 cr.) or higher level course (excluding MATH 130, MATH 131, MATH 132)
- MATH M152 Algebra and Trigonometry I (3 cr.)
- PHIL P162 Practical Logic (3 cr.)
- PHIL P265 Elementary Symbolic Logic (3 cr.)

General-Education Requirements (6 cr.)
- COMM R110 Fundamentals of Speech (3 cr.)
- Foreign Language (6 cr.)
- Students must complete 6 credit hours in a foreign language. Japanese or Chinese is recommended.

General Education Courses
- JOUR J200 Reporting, Writing, and Editing I (3 cr.) or ENG W132 English Composition II (3 cr.)
- Foreign Language (6 cr.)
- Students must complete 6 credit hours in a foreign language. Japanese or Chinese is recommended.

Analytical Skills (6 cr.)
- MATH M111 Algebra (4 cr.) or higher level course (excluding MATH 130, MATH 131, MATH 132)
- MATH M152 Algebra and Trigonometry I (3 cr.)
- PHIL P162 Practical Logic (3 cr.)
- PHIL P265 Elementary Symbolic Logic (3 cr.)

Bachelor of Science in Media Arts and Science

All students must meet the requirements as established by the faculty of the New Media Program and applied to all IUPUI New Media students. The New Media Program, Office of Student Affairs, Mary Cable Building 117, can answer questions about general education courses and distribution requirements.

General Requirements:
1. All IUPUI students must fulfill the following undergraduate requirements:
   - 6 credit hours of Communication (written and oral)
   - 10 credit hours of Foreign Language
   - 6 credit hours of Analytical Skills
   - 6 credit hours of Arts and Humanities
   - 6 credit hours of Social Sciences
2. A minimum of 22 credit hours is required for a New Media degree.
3. A minimum cumulative grade point average of 2.0 (C) is required for graduation.
4. A minimum of 36 credit hours must be at the 300–400 level. Courses taken at other institutions at the freshman and sophomore levels, regardless of title or description, will not be accepted in satisfaction of this requirement.
5. At least 12 credit hours of 300–400 level courses must be taken outside the major program as electives.
6. A maximum of 12 credit hours may be taken using the Pass/Fail option and applied to university electives only.
7. A minimum of 24 credit hours must be taken in the concentration/specialization area. For requirements is the concentration/specialization area, refer to the plan of study, available from your advisor.

8. Any course in which a student receives a grade below C (2.0) may not be used to fulfill any requirement (a C- will not count).

9. A minimum of 25 credit hours of the work of the senior year must be completed at IUPUI except in the case of students transferring within the campuses of Indiana University. (See academic advisor for specific residency requirements).

10. Credit to the degree will not be accepted for remedial courses.

11. Once a course has been applied toward one requirement, it cannot be used to satisfy a second requirement, except where explicitly stated otherwise. No course will be counted more than once toward graduation with the exception of variable titled courses, seminars, independent study, internships, and other special courses.

Course Requirements

The course work required for the B.S. in Media Arts and Sciences consists of six parts:

Required Media Core Courses

Web-Based Computer Programming Concentration/Specialization Courses

New Media Electives

General-Education Requirements

University Electives

The New Media Program recommends that students complete English W103 or Honors W140 during the first semester or as soon after placement test scores and course availability allow. Students whose placement test scores indicate a need to take English W103 should enroll in that course their first semester. Students must earn a minimum grade of C in English W103 to advance to English W150. It is also recommended that English W102, W150, or JOUR 102 be taken the semester following successful completion of English W103.

Speech Communication R101 (3 cr.)

Students with previous academic proficiency in public speaking may be eligible for special credit and exemption from the requirement; contact the chairperson of the Department of Communication Studies, Cavanaugh Hall 316, or call (317) 827-4666.

Foreign Language Requirement Placement Test

Students with previous experience in a foreign language should take the Foreign Language Placement Test at the Testing Center to assess their level of language preparation. Students who complete the course in which they were placed with a minimum grade of C are eligible for special credit at a reduced fee for the appropriate lower-division course(s) that precede the course taken. Foreign language special credit counts toward graduation and toward the foreign language requirement.

Courses numbered 117 are reserved for students who have never studied the language before. Students who have had two or more years of formal study in a language may take a 117-level course in that language as a refresher course before enrolling in a more advanced course. Their work will be graded on a Satisfactory/Fail (S/F) basis. A grade of S is equivalent to a minimum grade of C.

Nonnative Speakers

Students for whom English is not a first language may be exempted from the foreign language requirement, without credit, by completion of English W103 and W150 with a minimum grade of C or better.

Native speakers of English who have achieved elementary or intermediate proficiency in a foreign language by studying or living in a country where the language is spoken should confer with the Foreign Languages and Cultures department for placement in the correct level of that foreign language.

Advanced Courses

In addition to advanced courses in one's major, the new media student should conduct in-depth study in other areas. Courses at the 300 level plus must be completed in five areas: Required Core (6 cr.), Web-Based Programming (6 cr.), Concentration or Specialization (12 cr.), New Media Electives (12 cr.), and University Electives (12 cr.).

Required New Media core courses (18 cr.)

NEWM 1110 Introduction to Digital Media Principles (3 cr.)

CSSI N241 Introduction to Web Design (3 cr.)

NEWM 1010 Topics in Interactive Multimedia (3 cr.)

ENG W150 English Composition I (3 cr.)

CSSI N201 Fundamental Computer Science Concepts (3 cr.)

NEWM 4959 Capstone: Portfolio or Project (3 cr.)

Web-Based Computer Programming (5 cr.)

CSSI N351 Introduction to Multimedia Programming (3 cr.)

CSSI N353 Visual Basic Programming (3 cr.)

CSSI N355 VRML (3 cr.)

CSSI N342 Web Programming (3 cr.)

CSSI N343 Advanced Programming, Java (3 cr.)

CSSI N356 C Language Programming (3 cr.)

Concentration/Specialization Courses (24 cr.)

To be selected from one of the following areas (of which 12 credits must be at the 300 level or above)

Area 1: Computer Technology

Computer Science

Library Information and Science

New Media

Area 2: Music

Art

Journalism

New Media

New Media Electives (12 cr.)

Students must complete 12 credit hours of Media Arts and Science electives at the 300 level or above.

General-Education Requirements

COMM R101 Fundamentals of Speech Communication (3 cr.)

JOUR 200 Reporting, Writing, and Editing I (3 cr.) or ENG W150 English Composition II (3 cr.)

Foreign Language (10 cr.)

Students must complete 10 credit hours in a foreign language. Asian languages are recommended.

Analytical Skills (6 cr.)

MATH M111 Algebra (4 cr.) or higher level course (excluding MATH 130, MATH 131, MATH 132)

MATH M150 Algebra and Trigonometry I (3 cr.)

PHIL P150 Logic (3 cr.)

PHIL P250 Introduction to Symbolic Logic (3 cr.)

Arts and Humanities (6 cr.)

CMLT C100 Introduction to Film (3 cr.)

COMM T130 Introduction to Theatre (3 cr.)

FOLK F101 Introduction to Folklore (3 cr.)

FORE R150 Art Appreciation (3 cr.)

MUS M740 Music for the Listener (3 cr.)

PHIL P120 Personal and Social Ethics (3 cr.)

REL R150 Introduction to Religious Studies (3 cr.)

WGST W150 Introduction to Women's Studies (3 cr.)

Social Sciences (6 cr.)

AFRO A150 Afro-American Studies (3 cr.)

AMST A150 American Studies (3 cr.)

ANTH A101 Anthropology (3 cr.)

ECON E101 Introduction to Microeconomics (3 cr.) or

E202 Introduction to Macroeconomics (3 cr.)

EDUC G60 Geography (3 cr.)

LING G101 Linguistics (3 cr.)

POLS G701 Principles of Political Science (3 cr.)

POLS G702 Introduction to American Politics (3 cr.)

PSY G701 Psychology (3 cr.)

SOC R100 Sociology (3 cr.)

Writing Communication R110 (3 cr.)

COMM M737 Film and Video Documentary (3 cr.)

COMM C228 Discussion and Group Methods (3 cr.)

COMM R102 Communication and Social Ethics (3 cr.)

REL R133 Introduction to Religious Studies (3 cr.)

WOST W105 Introduction to Women's Studies (3 cr.)

Certificate in Internet Application Development

1. Minimum grade of 2.0 (C) in all courses taken for the certificate.

2. Students are required to complete 27 credit hours from the following list:

Design Courses

HER R210 Visual Research Web Basics (3 cr.)

HER R211 Intro to Interactive Design (3 cr.)

Writing Courses

JOUR J200 Reporting, Writing, and Editing I (P: ENG W131) (3 cr.)

JOUR J200 Reporting, Writing, and Editing II (3 cr.)

Audio Courses

MUS M101 Music and Computers (3 cr.)

MUS C250 Electronic Composition (3 cr.)

Programming Courses

CSSI 220 WWW Authoring and Design (3 cr.)
Application Development Courses
CPT 499 Multimedia Systems (3 cr.)
Elective (3 cr.)
Three credit hours in an internship, independent guided study application project, or three (3) credit hours in an approved elective course from one of the following academic departments or schools:
Art
Computer Science
Computer Technology
Journalism
Library and Information Science
Music
New Media

Undergraduate Courses in the New Media Program, IUPUI

The abbreviation “P” refers to the course prerequisite or prerequisites. The number of hours of credit given a course is indicated in parentheses following the course title.

N100 Introduction to Digital Media Principles (3 cr.) The development of interactive multimedia requires principles garnered from a variety of disciplines. Through readings, critiques, exercises and discussion, students will explore what makes an interactive multimedia application successful and what types of applications are best suited to interactive multimedia. This course provides an introduction to the design of interactive multimedia drawing upon user interface design, task analysis, analysis of audience characteristics, and usability testing, as well as design and editing principles from animation and video production.

N101 Topics in Interactive Multimedia (3 cr.) P: N100. Interactive multimedia is a rapidly evolving field that is significantly influenced by changes in theory, storage media, computing hardware, authoring/presentation software and communication capabilities in disciplines such as music, art, and journalism. Students will be exposed to recent trends through the development of interactive media projects for use on multiple platforms, the Internet, and CD-ROM.

N110 Visualizing Information (3 cr.) A course to sketch visualization: perspective, projection, and actually “seeing” the world around us. The projects will be using traditional media in the beginning, and then computer – shading, shadows, and lighting.

N175 Digital Media I: Vector Imaging (3 cr.) P: N101. Vector graphics are produced using traditional visualization (sketches) and computer methods. Color theory, geometric construction, and rendering techniques are utilized in vector-based graphic creation for use in new media applications. (Illustrator)

N180 Digital Media II: Raster Imaging (3 cr.) P: N101. Raster graphics are produced using traditional visualization (sketches) and computer methods. Topics will include image composition, realistic representation, digital imaging for new media, color mode and palette usage, material and value representation. (PhotoShop)

N200 Desktop Tools for Digital Media (3 cr.) P: N101. An introduction to the principles of multimedia creation and digital effects. The class will focus on a number of different software programs including Adobe Premiere, Director Authorware, Adobe PhotoShop, Softimage 3D, Houdini, Kodak Cineon, 3D Studio Max. Authoring, video, and sound editing computer applications, as well as cyberspace protocols and language are engaged.

N204 Introduction to Interactive Media (3 cr.) P: N101. The creation of interactive multimedia products for multiplatform delivery. Topics include: the multimedia production process, audience analysis, hardware and software requirements, authoring tools, scripting, content development, interface design, distribution and development strategies. Concentration will be on practical applications for interactive multimedia. (Director)

N210 Introduction to Digital Sound (3 cr.) P: N101. An introduction to digital sound creation and editing. Topics will focus on analog sound techniques and equipment, analog to digital conversion, basic editing, formats and conversions, digital to analog conversion, and basic sound effect techniques for new media. (SoundForge and Cool Edit)

N215 Online Document Development (3 cr.) P: N101. An introductory course for the creation, publication, and management of documents and images for online distribution. Topics include an introduction to Web site development, portable document formats, online publishing, document conversion, file exchanges, and image preparation. (Dreamweaver)

N230 Introduction to Game Design and Development (3 cr.) P: N101, N175, N180. An introduction course to “video” game design and development for entertainment. Topics include game theory, design and development of computer-based games, current game delivery systems and software, the commercial development cycle, case studies of current games, ethical issues including the current game rating system, emerging technical developments in game development, and current game trends. Students will develop new levels of existing games.

N235 Introduction to Computer Simulation/Animation (3 cr.) P: N101. An introductory course covering applied three-dimensional computer graphic animation for students interested in the use of design, time, and motion study; surface texture mapping; lighting; color; and the technology required to produce computer animations for commercial applications in manufacturing design, marketing, training, gaming, Web creation, and entertainment. (3D Studio Max)

N240 Introduction to Digital Video (3 cr.) P: N101. An introductory course covering applied video techniques for digital media
This course studies how the paradigm shift to a digital world will affect humanity. The course will consider the evolution of media arts and its underlying principles of communications. Students will study application development paradigms in current practice. Readings, lectures, class discussions, and research papers.

K311 The Digital Paradigm Shift: Effects in International Cultures and Society (3 cr.)
This course teaches how the paradigm shift to a digital world will affect international cultures and societies. A study of the major paradigm shifts in reference to culture and society as well as the effect for the future for humanity as a culture. Readings, lectures, class discussions, and papers with supported citations.

K325 Online Document Development II (3 cr.)
P: N225. Advanced creation, publication, and management of interactive publications for online distribution with the inclusion of new media technologies. Topics include interactive Web site development, animations for the Web, online interactive design, document conversion, and digital media development for online usage. (Dreamweaver, Flash, DeDabllizer, Fireworks.)

N250 Team Building in Technology (2 cr.)
P: N204. Digital design methodology and techniques, control and timing, machine organization, instruction sequencing, and data flow control; control unit implementation by means of hardware and micro-programming; synchronization of input/output operations with interface design. (Director 2).

N302 Media Simulation Methods (2 cr.)
P: N201. A study of the fundamentals and methods of building and using computer-based simulation models, including the utility of simulation as a decision support tool; representing queueing systems in a computer model; simulated sampling from distributions of input variables; point and interval estimates of expected values of output variables; and the design of simulation sampling experiments.

N304 Interactive Media Applications (3 cr.)
P: N204. Digital design methodology and techniques, control and timing, machine organization, instruction sequencing, and data flow control; control unit implementation by means of hardware and micro-programming; synchronization of input/output operations with interface design. (Director 2).

N310 Multimedia Arts: History, Criticism, and Technology (3 cr.)
This course studies how the paradigm shift to a digital world will affect humanity. The course will consider the evolution of media arts and its underlying principles of communications. Students will study application development paradigms in current practice. Readings, lectures, class discussions, and research papers.

N311 The Digital Paradigm Shift: Effects in International Cultures and Society (3 cr.)
This course teaches how the paradigm shift to a digital world will affect international cultures and societies. A study of the major paradigm shifts in reference to culture and society as well as the effect for the future for humanity as a culture. Readings, lectures, class discussions, and papers with supported citations.

N35 Online Document Development II (3 cr.)
P: N25. Advanced creation, publication, and management of interactive publications for online distribution with the inclusion of new media technologies. Topics include interactive Web site development, animations for the Web, online interactive design, document conversion, and digital media development for online usage. (Dreamweaver, Flash, DeDabllizer, Fireworks.)

N85 Seminar in New Media (3 cr.)
Current trends, problems, best practices, and developments in new media. Students pursue a special interest and share information and experience with the group. This course is an in-depth exploration of topics and issues at the forefront of new media. Seminar format with research papers and class discussion/presentations.

N400 Imaging and Digital Media Seminar (3 cr.)
P: N240. An advanced course covering applied videotechniques for digital media production. More features for creating, editing, and producing digital video will be explored through collaborative production. Designed for students interested in the use of more advanced techniques utilizing video. (After Effects).
School of Informatics Founding Faculty

(B) = IUB; (I) = IUPUI

The following faculty, drawn from many academic units, were involved in founding the School of Informatics.

Appelman, Robert L., Ph.D. (Indiana University, 1953), Coordinator, Multimedia Development, School of Education (B)
Bailey, Darrell L., Ed.D. (University of Illinois, 1955), Associate Dean of Informatics, Director, New Media; Associate Professor of Music (I)
Barwise, K. Jan., Ph.D. (deceased) (Stanford University, 1987), Professor of Computer Science, Mathematics and Philosophy; Adjunct Professor of Linguistics (B)
Barzilai, Edward J., Ph.D. (University of Iowa, 1985), Director, Biomedical Engineering; Chair and Professor of Electrical Engineering; and Professor of Medicine (I)
Barnes, James H., M.S.Ed. (Northern Illinois University, 1979), Director, Research and Academic Computing; Special Assistant to the Vice President for Information Technology (B)
Billings, Diane M., Ed.D. (Indiana University, 1985), Associate Dean and Professor of Nursing (I)
Boby, Julia, Ph.D. (Indiana University, 1981), Head of Library and Information Science; Head Librarian and Waiden Librarian (B)
Baling, Elizabeth, M.F.A. (Indiana University, 1985), Chair, Instructional Systems Technology; Associate Professor of Education (B)
Bärnsteiner, Katry, Ph.D. (University of Kaiserslautern, 1997), Core Member of Cognitive Science Program; Assistant Professor of Information Science (B)
Batschmann, Erwin, Ph.D. (University of Colorado, 1988), Associate Vice President for Distributed Education; Professor of Chemistry (I)
Bower, Frederick, M.F.A. (Cranbrook Academy of Art, 1954), Visiting Assistant in New Media (I)
Bromley, Randall B., Ph.D. (University of Illinois, 1935), Associate Professor of Computer Science (B)
Brown, Chris, J.D. (Indiana University, 1996), Associate Partner, Woodard, Emlurddt, Naughton, Moriarity and McErlt; Adjunct Professor of New Media (I)
Brown, James W., Ph.D. (Indiana University, 1977), Associate Dean and Professor of Journalism; Adjunct Professor of Communication Studies (I)
Brown, Paul T., M.F.A. (Indiana University, 1985), Associate Dean of Art; Associate Professor of Visual Communication (I)
Bucy, Erik P., Ph.D. (University of Maryland, 1989), Assistant Professor of Telecommunications (B)
Bulbires, Omran, Ph.D. (North Dakota State University, 1980), Associate Professor of Computer and Information Science (B)
Cate, Fred H., J.D. (Stanford University, 1987), Professor of Law and Harry T. Ice Faculty Fellow (B)
Chapuis, Andre, Ph.D. (Indiana University, 1953), Part-time Assistant Professor of Informatics (B)
Chidambaram, Lakhu, Ph.D. (Indiana University, 1989), Associate Professor of Accounting and Information Systems and Public and Environmental Affairs (B)
Cohn, Mervyn, M.D. (University of Edinburgh [Scotland], 1978), Chairman, Department of Radiology; Eugene C. Krane Professor of Radiology (B)
Crews, Kenneth Donald, Ph.D. (University of California, Los Angeles, 1980), Associate Dean of the Faculties and Director of Copyright Management; Associate Professor of Law and Library and Information Science (I)
Crunin, Elaine, Ph.D. (Queen’s University [Northern Ireland], 1983), Dean of Library and Information Science; Rudy Professor of Information Science (B)
Cunningham, Donald J., Ph.D. (University of Illinois, 1970), Director, Center for Semiotics Studies; Professor of Education (B)
Cutza, Florin, Ph.D. (The Weizmann Institute of Science, 1997), Assistant Professor of Computer Science (B)
Daikalic, Mehmet, Ph.D. (University of California, 2000), Visiting Assistant Professor of Informatics (B)
Davis, Kenneth W., Ph.D. (University of Michigan, 1975), Chair and Professor of English; Adjunct Professor of New Media (I)
Delicio, Joseph, M.S. (Ball State University, 1982), Assistant Professor of New Media; Lecturer in Computer Technology (B)
Dillon, Andrew Patrick, Ph.D. (Loughborough University [England], 1991), Director, Program in Human-Computer Interaction; Associate Professor of Informatics and Information Science; Adjunct Associate Professor of Computer Science (B)
Dolinsky, Margaret, M.F.A. (University of Illinois, 1988), Visiting Assistant Professor of Fine Arts and Research Scientist (I)
Duffy, Thomas M., Ph.D. (University of Illinois, 1989), Director, Center for Research on Learning and Technology; Barbara B. Jacobs Chair and Professor of Education; Research Associate, Instructional Support Services (B)
Dunn, J. Michael, Ph.D. (University of Pittsburgh, 1985), Dean of Informatics; Oscar R. Ewing Professor of Philosophy; Professor of Computer Science (B)
Dyvig, R. Kent, Ph.D. (University of North Carolina, 1987), Professor of Computer Science (B)
Elliott, Terry L., B.A. (Indiana University, 1998), Associate Professor of Informatics; Visiting Lecturer in Computer and Information Science (I)
Fang, Shih fontStyle, Ph.D. (University of Utah, 1992), Assistant Professor of Computer and Information Science (School of Science) (I)
Friedman, Daniel P., Ph.D. (University of Texas, 1973), Professor of Computer Science (B)
Gannon, Dennis B., Ph.D. (University of California, Davis, 1974; University of Illinois, 1986), Chair and Professor of Computer Science (B)
Gantz, Walter, Ph.D. (Michigan State University 1975), Chair and Professor of Telecommunications (B)
Gasser, Michael E., Ph.D. (University of California, 1988), Associate Professor of Linguistics and Computer Science (B)
Gilbert, Donald G., Ph.D. (Indiana University, 1980), Associate Scientist in Biology (B)
Gillespie, Thomas R., Ph.D. (University of California, 1992), Clinical Associate Professor of Telecommunications (B)
Hanson, Andrew J., Ph.D. (Massachusetts Institute of Technology, 1971), Director of Graduate Studies and Professor of Computer Science (B)
Harrie, Andrew J., B.S. (Indiana University, 1990), Lecturer in Computer and Information Science (I)
Haynes, Christopher T., Ph.D. (University of Iowa, 1982; Director of Undergraduate Studies and Associate Professor of Computer Science (B)
Henning, Joanna, M.S. (Indiana University), Associate Professor of English; Adjunct Professor of New Media; Staff Development, Media Technology Department of MDG, Pake High School (I)
Herring, Susan, Ph.D. (University of California-Berkeley, 1989), Associate Professor of Information Science (B)
Hofstader, Douglas R., Ph.D. (University of Oregon, 1975), College Professor of Cognitive Science and Computer Science; Adjunct Professor of Philosophy; Adjunct Professor of History and Philosophy of Science (B)
Hoak, Sara A., M.B.A., J.D. (Indiana University, 1988; Indiana University, 1994), Associate Dean of the Faculties; Professor of Dental Informatics; Librarian, School of Dentistry Library (I)
Houser, Nathan R., Ph.D. (University of Waterloo [Canada], 1985), Director, Feinberg Project; Professor of Philosophy; Adjunct Associate Professor, American Studies Center (I)
Huang, Jeffrey R., Ph.D. (George Mason University, 1988), Assistant Professor of New Media and Counterintelligence (B)
Huckleberry, Dan J., M.S. (Indiana University, 1990), Adjunct Professor of New Media and Media Technology Coordinator (I)
Huffman, John C., Ph.D. (Indiana University, 1974), Senior Scientist in Chemistry (B)
Jacob, Emil K., Ph.D. (University of North Carolina, 1954), Assistant Professor of Library and Information Science (B)
Jaffri, Ali, Ph.D. (Indiana University, 1988), Director of Information Technology Laboratory; Associate Professor of Computer Technology (I)
Jamieson, Patrick W., M.D. (Ohio State University, 1981), Associate Scientist in Radiology; Associate Professor of Radiology (I)
Johnson, Steven D., Ph.D. (Indiana University, 1983), Associate Professor of Computer Science (B)
Jones, Scott, B.S. (Indiana University, 1994), Adjunct Professor of Informatics (B)
Karnick, Kristine B., M.A. (University of Wisconsin, 1984), Associate Professor of Communication Studies (B)
Kawley-Port, Diane, Ph.D. (City University of New York, 1960), Associate Professor of Speech and Hearing Sciences (B)
Kidd, Gary R., Ph.D. (Ohio State University, 1994), Associate Scientist in Speech and Hearing Sciences (B)
Kling, Rolf, Ph.D. (Stanford, 1971), Professor of Information Science and Systems; Adjunct Professor of Computer Science (B)
Koch, Clinton, M.S. (Indiana University-Purdue University-Indianapolis, 2000), Adjunct Professor of Informatics (I)
Koh, Jee, Ph.D. (University of Michigan, 1983), Associate Professor of Mathematics (B)
Lang, Annie, Ph.D. (University of Wisconsin, 1987), Professor of Telecommunications (B)
Leffler, Marshall A., J.D., L.L.M. (University of Texas, 1971; New York University, 1976), Distinguished Scholar in Intellectual Property Law and University Fellow (B)
Lenka, David, Ph.D. (Yale University, 1989), Associate Professor of Computer Science (B)
Levant, Daniel M., Ph.D. (University of Amsterdam, 1973), Professor of Computer Science; Adjunct Professor of Philosophy and Mathematics (B)
Lewis, David W., M.S. (Columbia University, 1973), Associate Executive Director of University Libraries; Acting University Librarian; Librarian, Public Services (B)
Liu, Jawshing Arthur, M.F.A. (University of Florida, 1988), Assistant Professor of Fine Arts, Studio Art Program (B)

Lipkowitz, Kenneth G., Ph.D. (Montana State University, 1975), Associate Director, Program in Chemical Informatics; Professor of Chemistry (B)

Liu, Wei-min, Ph.D. (Cornell University, 1987), Associate Professor of Computer and Information Science (B)

Malk, David J., Ph.D. (University of California 1976), Chair and Professor of Chemistry (I)

Masey, Anne P., Ph.D. (Rensselaer Polytechnic Institute, 1989), Associate Professor of Information Systems (B)

McCarty, David C, D.Phil. (Oxford University [England], 1985), Associate Professor of Philosophy; Adjunct Associate Professor of Computer Science (B)

McDaniel, Anne M., O.N.S. (Ball State University, 1983), Interim Director, Program in Health Informatics; Associate Professor of Nursing; Adjunct Associate Professor of Public Health (I)

McDonald, Clement J., M.D. (University of Illinois, 1965), Director, Regenstrief Institute; Distinguished Professor of Medicine; Regenstrief Professor of Health Services Research; Professor of Public and Environmental Affairs (I)

McGarr, Michael E., Ph.D. (Yale University, 1984), Associate Dean of Arts and Sciences; Director, Liberal Arts and Management Program; Associate Professor of History (B)

McCowan, Julie J., Ph.D. (University of South Carolina, 1993), Director, Ruth Lilly Medical Library (I)

McGregor, Michael A., J.D. (Georgetown University, 1977), Chair and Associate Professor of Telecommunications (B)

McMullen, Donald F., Ph.D. (Indiana University, 1982), Director, CICA; Assistant Professor of Computer Science; Adjunct Professor of Computer Science (B)

McRobbie, Michael A., Ph.D. (Australian National University, 1973), Vice President for Information Technology and Chief Information Officer; Professor of Computer Technology; Professor of Computer Science; Professor of Philosophy; Adjunct Professor of Information Science (B)

Miller, Theodore K., Ph.D. (University of Iowa, 1970), Co-Director of Interdisciplinary Consortium for Statistical Applications; Professor of Public and Environmental Affairs; Professor of Geography (B)

Mills, Jonathan W., Ph.D. (Arizona State, 1988), Associate Professor of Computer Science (B)

Molnar, Robert S., B.S. (Indiana University, 1986), Adjunct Professor of Informatics; Lecturer in Computer and Information Science (B)

Morris, Harold, P.E.D. (Indiana University, 1972), Chair and Professor of Kinesiology (B)

Noss, Lawrence S., Ph.D. (University of California, Los Angeles, 1984), Associate Professor of Mathematics; Adjunct Associate Professor of Linguistics (B)

Mustafa, Javed, Ph.D. (University of Texas-Austin, 1984), Victor H. Yngve Associate Professor of Information Science; Associate Professor of Informatics; Adjunct Associate Professor of Computer Science (B) (I)

Mukhopadhyay, Sanhasis, Ph.D. (Yale University, 1994), Associate Director, Program in Bioinformatics; Assistant Professor of Computer and Information Science (B)

Munn, Samuel, Ph.D. (University of Delaware, 1991), Associate Professor of Public and Environmental Affairs (I)

Odal, John Jacob M, Ph.D. (Ohio State University, 1972), Professor of Geography (B)

Ogan, Christine, Ph.D. (University of North Carolina, 1976), Associate Dean of Informatics; Professor of Journalism (B)

Olson, Andrew M. ,D.S. (Washington University, 1985), Associate Professor of Computer and Information Science (I)

Palakal, Mathew J., Ph.D. (Concordia University [Canada], 1987), Chair, Department of Computer and Information Science; Associate Professor of Computer and Information Science (I)

Paullito, John, Ph.D. (Stanford University, 1992), Visiting Associate Professor of Linguistics; Visiting Associate Professor of Informatics; Visiting Associate Professor of Information Science (B)

Patterson, Robert, B.S. (University of Texas, 1987), Visiting Lecturer in New Media (B)

Peebles, Christopher S., Ph.D. (University of California, Santa Barbara, 1974), Associate Vice President for Research and Academic Computing; Dean, Information Technology; Director, Glenn Black Laboratory of Archaeology; Professor of Anthropology; Research Associate for Language and Semiotic Studies (B)

Perkins, William C., D.B.A. (Indiana University, 1986), Professor of Information Systems; Professor of Decision and Information Systems (B)

Perry, Douglas E., Ph.D. (City University of New York, 1989), Associate Dean of Informatics; Associate Dean of Science-Allied Health Sciences; Associate Professor of Health Sciences; Adjunct Professor of Medicine (I)

Peterson, David, D.Muo.Ed. (University of Illinois, 1974), Director, Music Program and Professor of Music (B)

Pieter, William M., Ph.D. (University of Illinois, 1973), Executive Vice Chancellor; Dean of the Faculty; Professor of English; Adjunct Professor of Philanthropic Studies (I)

Port, Robert F., Ph.D. (University of Connecticut, 1976), Professor of Linguistics and Computer Science (B)

Pries, Ulrich, Ph.D. (Technische Hochschule Darmstadt, 1956), Assistant Professor of Library and Information Sciences (B)

Purdom, Jr., Paul W., Ph.D. (California Institute of Technology, 1958), Professor of Computer Science (B)

Raje, Rajesh R., Ph.D. (Syracuse University, 1984) Assistant Professor of Computer and Information Science (I)

Rawles, Gregory J.E., Ph.D. (University of Waterloo [Canada], 1987), Associate Professor of Computer Science (B)

Reed, Mary Ellen, B.F.A. (Herron School of Art, 1971), Adjunct Professor of Informatics (I)

Reese, Fred, D.Musical Arts (University of Southern California, 1977), Adjunct Professor of New Media (I)

Riesenberg, Leron H., Ph.D. (Washington State University, 1987), Senior Fellow, Institute for Molecular and Cellular Biology; Professor of Biology (B)

Robbin, Alice R., Ph.D. (University of Wisconsin, 1984), Associate Professor of Library and Information Science (B)

Roberts, Richard S., M.A., M.B.A. (Indiana University, 1979), Dean of Informatics; Adjunct Professor in Computer and Information Science (I)

Robertson, Edward L., Ph.D. (University of Wisconsin, 1970), Associate Dean of Informatics; Professor of Computer Science (B)

Rosenbaum, Howard S., Ph.D. (University of Wisconsin, 1977), Associate Dean of Bloomington Programs for Public and Environmental Affairs; Director of Graduate Programs and Professor of Public and Environmental Affairs (B)

Sabry, Amr, Ph.D. (University of Virginia, 1984), Associate Professor of Computer Science (B)

Schwartz, Helen J., Ph.D. (University of Washington, 1977), Professor of English (I)

Schweitzer, Thomas, Ed.D. (Indiana University, 1970), Associate Professor of Education (B)

Schweitzer, Robert A., B.A. (Brock University [Canada], 1973), Associate Professor of Theatre and Drama (B)

Shaw, Deborah, Ph.D. (Indiana University, 1983), Associate Professor of Informatics and Information Science; Chair of Curriculum Committee of Informatics (B)

Shiffman, Richard M., Ph.D. (Stanford University, 1983), Luther Dana Waterman Professor of Psychology (B)
Key to Course Codes

AFRO Afro-American Studies (COAS)
AMID Apparel Merchandising and Interior Design (COAS)
AMST American Studies Program (COAS)
ANAT Anatomy (Medical Sciences Program)
AST Astronomy (COAS)
BIOL Biology (COAS)
BUS Business (Kelley School of Business)
CHEM Chemistry (COAS)
CLAS Classical Studies (COAS)
COAS College of Arts and Sciences
COGS Cognitive Science Programs (COAS)
CRCL Comparative Literature (COAS)
CJUS Criminal Justice (COAS)
CSCI Computer Science (COAS)
ECON Economics (COAS)
EDUC Education (School of Education)
ENGL English (COAS)
FINA Fine Arts (COAS)
GEOG Geography (COAS)
GEOG Geological Sciences (COAS)
GEND Gender Studies (COAS)
HIST History (COAS)
HPER School of Health, Physical Education, and Recreation
HPSC History and Philosophy of Science (COAS)
HONR Honors (COAS)
INFO Informatics (School of Informatics)
JOUR Journalism (School of Journalism)
LAMP Liberal Arts and Management Program (COAS)
LING Linguistics (COAS)
MATH Mathematics (COAS)
MUS Music (COAS)
NEWM New Media (School of Informatics)
NURS Nursing (School of Nursing)
Philosophy (COAS)
PHSL Physiology (Medical Sciences Program)
PHYS Physics (COAS)
POLS Political Science (COAS)
PSY Psychology (COAS)
REL Religious Studies (COAS)
SLIS School of Library and Information Science
SOCI Sociology (COAS)
SPEA School of Public and Environmental Affairs
SPHS Speech and Hearing Sciences (COAS)
TEL Telecommunications (COAS)
THTR Theatre and Drama (COAS)
UDIV University Division (COAS)

Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. With 1,063 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers more than 4,000 and includes members of many academic societies such as the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences.

Indiana University was founded at Bloomington in 1820 and is one of the oldest and largest institutions of higher education in the Midwest. It serves 32,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. Campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana’s citizens.

General Policies

Equal Opportunity/Affirmative Action Policy of Indiana University

Indiana University pledges itself to continue its commitment to the achievement of equal opportunity within the university and throughout American society as a whole. In this regard, Indiana University will recruit, hire, promote, educate, and provide services to persons based upon their individual qualifications. Indiana University prohibits discrimination based on arbitrary consideration of such characteristics as age, color, disability, ethnicity, gender, marital status, national origin, race, religion, sexual orientation, or veteran status.

Indiana University shall take affirmative action, positive and extraordinary, to overcome the discriminatory effects of traditional policies and procedures with regard to the disabled, minorities, women, and Vietnam-era veterans.

An Affirmative Action office on each campus monitors the university’s policies and assists individuals who have questions or problems related to discrimination.

Special Assistance

For people who have disabilities and need special assistance, special arrangements can be made to accommodate most needs. To Bloomington, contact Disabled Student Services at (812) 855-7578; at IUPUI, contact Adaptive Educational Services at (317) 274-3241.

General Policies

Equal Opportunity/Affirmative Action Policy of Indiana University

Indiana University pledges itself to continue its commitment to the achievement of equal opportunity within the university and throughout American society as a whole. In this regard, Indiana University will recruit, hire, promote, educate, and provide services to persons based upon their individual qualifications. Indiana University prohibits discrimination based on arbitrary consideration of such characteristics as age, color, disability, ethnicity, gender, marital status, national origin, race, religion, sexual orientation, or veteran status.

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An Affirmative Action office on each campus monitors the university’s policies and assists individuals who have questions or problems related to discrimination.

Special Assistance

For people who have disabilities and need special assistance, special arrangements can be made to accommodate most needs. To Bloomington, contact Disabled Student Services at (812) 855-7578; at IUPUI, contact Adaptive Educational Services at (317) 274-3241.

Undergraduate Admissions Policy

Indiana University has adopted the following admissions policy to ensure that undergraduate students are properly prepared for college work. These standards seek to ensure either adequate academic preparation in high school or evidence of unusual motivation on the part of each student admitted to the university. Applicants for admission to Indiana University are expected to meet the following criteria.

Freshman Students

1. Graduation from an accredited Indiana high school or comparable out-of-state institution, successfully completing a minimum of 28 semesters of college-preparatory courses including the following:
   (a) Eight semesters of English. (One semester each of speech and journalism may be included.)
   (b) Four semesters of social science (economics, government, history, psychology, sociology).
   (c) Four semesters of algebra (two semesters of which must be advanced algebra) and two semesters of geometry.
   (d) Two semesters of laboratory science (biology, chemistry, or physics).

   Some academic programs require specific qualifications in addition to those enumerated in this policy.
Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These Rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by this Rule, if he or she attended the University before that date and while he or she remains continuously enrolled in the University.

1. “Residence” as the term, or any of its variations (e.g., “resided”), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.

(a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c), such person must meet the requirements of the University to qualify as a resident student.

2. Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of higher education, shall not be counted in determining the 12-month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

A person shall be classified as a “resident student” if he or she has continuously resided in Indiana for at least 12 consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.

(a) The residence of an unmarried person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident student.

(b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to the University until he or she is properly classified as a resident student upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.

(c) Such person may be classified as a resident student without meeting the 12-month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of “resident student.”

(d) When it shall appear that the parents of a person properly classified as a resident student shall have moved permanently in the United States, such person shall be reclassified as a nonresident student.

(e) All provisions of this policy are severable. If any provision of this policy is held invalid, the invalidity does not affect other provisions of this policy which can be given effect without the invalid provision, and to this end the provisions of this policy are severable.
from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the 12 months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of 12 months from the Residence Qualifying Date, i.e., the date upon which the student commenced the 12-month period for residence. The following factors will be considered relevant in evaluating a requested change in a student’s nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by nonresidents in the state or which are merely auxiliary to the fulfillment of educational purposes.

(a) The residence of a student’s parents or guardians.
(b) The status of the source of the student’s income.
(c) To whom a student pays his or her taxes, including property taxes.
(d) The state in which a student’s automobile is registered.
(e) The state issuing the student’s driver’s license.
(f) Where the student is registered to vote.
(g) The marriage of the student to a resident of Indiana.
(h) Ownership of property in Indiana and outside of Indiana.
(i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
(j) The place of the student’s summer employment, attendance at summer school, or vacation.
(k) The student’s future plans including committed place of future employment or future studies.
(l) Admission to a licensed profession in Indiana.
(m) Membership in civic, community, and other organizations in Indiana or elsewhere.
(n) All present and intended future connections or contacts outside of Indiana.

11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.

12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see Rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.

13. If any provision of these Rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these Rules which can be given effect without the invalid provision or application, and to this end the provisions of these Rules are severable.
Fees

The instructional fees listed here were approved at the May 2000 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus Schedule of Classes.

Certain courses and programs requiring studios, laboratories, microscopes, computers, or other special equipment may involve special fees in addition to the instructional fee. Applied music, student teaching, and some physical education courses also carry additional fees. See the campus Schedule of Classes for a list of such courses and programs.

Fees for Indiana University campuses other than Bloomington and Indianapolis are published in the bulletin of the specific campus.

INSTRUCTIONAL FEES

<table>
<thead>
<tr>
<th>INSTITUTIONAL FEES</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bloomington Campus</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate</td>
<td>$1,951.20 flat fee/semester for 12 to 17 credit hours</td>
<td>$3,487.05 flat fee/semester for 12 to 17 credit hours</td>
</tr>
<tr>
<td>Graduate and Professional</td>
<td>$266.80/credit hour</td>
<td>$404.90/credit hour</td>
</tr>
<tr>
<td>Business-M.B.A. Program</td>
<td>$6,479.05 flat fee/semester for 12 to 17 credit hours</td>
<td>$121.80/credit hour</td>
</tr>
<tr>
<td>Business Administration</td>
<td>$6,479.05 flat fee/semester for 12 to 17 credit hours</td>
<td>$404.90/credit hour</td>
</tr>
<tr>
<td>Library and Information Science</td>
<td>$178.35</td>
<td>$508.50</td>
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<tr>
<td>Library and Information Science (Correspondence)</td>
<td>$90.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>Distance Education Special Courses</td>
<td>$90.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>Graduate and Undergraduate Schools of Education and Health, Physical Education, and Recreation</td>
<td>$90.00</td>
<td>$150.00</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>Same as rate for on-campus instruction in respective category</td>
<td></td>
</tr>
</tbody>
</table>

**Indianapolis Campus**

<table>
<thead>
<tr>
<th>INSTITUTIONAL FEES</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$119.00/credit hour</td>
<td>$370.25/credit hour</td>
</tr>
<tr>
<td>Graduate and Professional</td>
<td>$270.00/credit hour</td>
<td>$540.00/credit hour</td>
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<tr>
<td>Business-M.B.A. Program</td>
<td>$200.00/credit hour</td>
<td>$400.00/credit hour</td>
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<tr>
<td>Business Administration</td>
<td>$13,916.00/year</td>
<td>$26,916.00/year</td>
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<tr>
<td>Engineering</td>
<td>$12,950.00/year</td>
<td>$25,950.00/year</td>
</tr>
<tr>
<td>Library and Information Science</td>
<td>$920.00/credit hour</td>
<td>$1,840.00/credit hour</td>
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<tr>
<td>Library and Information Science (Correspondence)</td>
<td>$500.00/semester</td>
<td>$1,000.00/semester</td>
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<tr>
<td>Auditing (no credit)</td>
<td>$25.00/credit hour</td>
<td>$25.00/credit hour</td>
</tr>
<tr>
<td>Distance Education Special Courses</td>
<td>$250.00/credit hour</td>
<td>$250.00/credit hour</td>
</tr>
<tr>
<td>Graduate and Undergraduate</td>
<td>Same as rate for on-campus instruction in respective category</td>
<td></td>
</tr>
</tbody>
</table>

INCIDENTAL FEES

<table>
<thead>
<tr>
<th>INCIDENTAL FEES</th>
<th>Bloomington Campus</th>
<th>Indianapolis Campus</th>
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<tbody>
<tr>
<td>Application for admission</td>
<td>$40.00</td>
<td>$35.00</td>
</tr>
<tr>
<td>Domestic, undergraduate</td>
<td>$45.00</td>
<td>$55.00</td>
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<tr>
<td>International</td>
<td>$45.00</td>
<td>$55.00</td>
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<tr>
<td>Deferrment service charge</td>
<td>$74.00</td>
<td>$72.00</td>
</tr>
<tr>
<td>Health service fee</td>
<td>$78.50/semester</td>
<td>$32.85/semester</td>
</tr>
<tr>
<td>Late payment charge</td>
<td>$10.00-50.00/month</td>
<td>$10.00/month</td>
</tr>
<tr>
<td>Late program change</td>
<td>$21.00/course added</td>
<td>$19.00/course added</td>
</tr>
<tr>
<td>Late registration</td>
<td>$54.00 to $94.00/semester</td>
<td>$54.00 to $94.00/semester</td>
</tr>
<tr>
<td>Student activity fee</td>
<td>$28.76 or $24.25 or $44.10/semester</td>
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</tr>
<tr>
<td>Technology fee, fall or spring semesters</td>
<td>$25.00, $50.00, $100.00</td>
<td>$27.85, $55.70, $83.55</td>
</tr>
<tr>
<td>Graduate/professional, nondegree students</td>
<td>$12.00, $25.00, $50.00</td>
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</tr>
<tr>
<td>Technology fee, summer sessions</td>
<td></td>
<td>(varies)</td>
</tr>
<tr>
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<td>$12.00, $25.00, $50.00</td>
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</tr>
<tr>
<td>Transcripts</td>
<td>$3.00</td>
<td>$7.00</td>
</tr>
<tr>
<td>University Division services fee</td>
<td>$25.00/semester</td>
<td>$200.00/semester</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TECHNOLOGY FEE</th>
<th>Bloomington Campus</th>
<th>Indianapolis Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application for admission</td>
<td>$40.00</td>
<td>$35.00</td>
</tr>
<tr>
<td>Domestic, undergraduate</td>
<td>$45.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>International</td>
<td>$45.00</td>
<td>$55.00</td>
</tr>
<tr>
<td>Deferrment service charge</td>
<td>$74.00</td>
<td>$72.00</td>
</tr>
<tr>
<td>Health service fee</td>
<td>$78.50/semester</td>
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<td></td>
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<td>$25.00/semester</td>
<td>$200.00/semester</td>
</tr>
</tbody>
</table>

**Notes:**
1. Includes credit courses in the School of Continuing Studies.
2. M.B.A. students enrolled in 9 or more credit hours of business courses will be assessed a flat rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis.
3. Graduate business credit hour rates apply to (a) M.B.A. students enrolled in fewer than 9 credit hours of business courses, and (b) students enrolled in a doctoral business program.
4. To keep their candidacy active, doctoral students with 30 credit hours or more and Master of Fine Arts students with 60 credit hours or more may enroll in GSQ for a flat fee of $520.00. Also, they must have completed all graduate degree requirements except for the dissertation or final project/performance. Enrollment in GSQ is limited to six times.
5. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.
6. In addition to instructional fee rates, course fees of $90.00 for Education, $75.00 for HPER, and $50.00 for Library and Information Science will be assessed.
7. A technology fee will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer: $78.50 per semester; greater than 3 credit hours: $24.25 per credit hour.
8. In addition to instructional fee rates, course fees of $90.00 for Education, $75.00 for HPER, and $50.00 for Library and Information Science will be assessed.
9. Applies to both in-state and out-of-state students.
10. Fee is assessed if deferred billing option is elected.
11. The health fee is assessed for each semester/session on the Bursar’s bill for all day and evening students enrolled in more than 3 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.
12. Any payment due to the university that is not received by the due date is subject to a monthly late fee based on a sliding scale of at least $10.00 (for fees of $200.00 or less) and as much as $50.00 (for $1,000.00 or more). The late fee will continue to be assessed until the account is restored to good standing.
13. After drop/add period (100 percent refund period), students will be assessed $21.00 in Bloomington and $19.00 in Indianapolis for each dropped course.
14. A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is $54.00 for students who register by the last Friday before classes begin and increases by $30.00 on the Monday of each successive week to a maximum of $94.00. On the Indianapolis campus, a $49.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by $25.00 the first week, $20.00 the second week, and $50.00 the third week to a maximum of $100.00. In Indianapolis summer sessions, a late registration fee of $49.00 is assessed the first week, and $50.00 the second week and thereafter.
15. Bloomington students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of $28.77. Students enrolled in more than 3 credit hours pay $53.55. Summer session students pay a fee per session according to the number of credit hours in which they are enrolled: 3 or fewer credit hours, $33.37; more than 3 credit hours, $28.77. At Indianapolis, the student activity fee for 1 to 8 credit hours is $24.25 per semester. Students enrolled in 9 or more credit hours pay $44.10 per semester. Indianapolis students are also charged a $27.70 Athletic Development fee for each semester.
16. In Indianapolis, a technology fee is assessed for summer sessions according to the number of enrolled credit hours as follows: 3 credit hours or fewer: $78.50 per semester; greater than 3 credit hours: $24.25 per credit hour.
17. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.
18. Technology fee will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer: greater than 3 hours by 6 credit hours: greater than 6 credit hours.
Course Fee Refund Schedule

<table>
<thead>
<tr>
<th>Time of Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-week (or less) classes</td>
</tr>
<tr>
<td>Refund</td>
</tr>
<tr>
<td>During 1st day of classes</td>
</tr>
<tr>
<td>During 2nd day of classes</td>
</tr>
<tr>
<td>During 3rd day of classes and thereafter</td>
</tr>
<tr>
<td>5- through 8-week classes</td>
</tr>
<tr>
<td>During 1st week of classes</td>
</tr>
<tr>
<td>During 2nd week of classes</td>
</tr>
<tr>
<td>During 3rd and 4th week of classes</td>
</tr>
<tr>
<td>2- through 4-week classes</td>
</tr>
<tr>
<td>During the 1st and 2nd day of classes</td>
</tr>
<tr>
<td>During 3rd and 4th day of classes</td>
</tr>
<tr>
<td>During 5th day of classes and thereafter</td>
</tr>
</tbody>
</table>

Veterans Benefits

Eligible students will receive veterans benefits according to the following scale, which is based on the number of credit hours in which the student is enrolled.

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Fall/Spring</th>
<th>IUPUI</th>
<th>Bloomington and IUPUI</th>
<th>Bloomington</th>
</tr>
</thead>
<tbody>
<tr>
<td>full</td>
<td>12 or more</td>
<td>6</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>three-quarters</td>
<td>9-11</td>
<td>6-8</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>one-half</td>
<td></td>
<td></td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>tuition only</td>
<td></td>
<td>fewer than 6</td>
<td>1-2</td>
<td>1-2</td>
</tr>
</tbody>
</table>

Graduate Benefits

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Fall/Spring</th>
<th>IUPUI</th>
<th>Bloomington and IUPUI</th>
<th>Bloomington</th>
</tr>
</thead>
<tbody>
<tr>
<td>full</td>
<td>8 or more</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>three-quarters</td>
<td>6-7</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>one-half</td>
<td>4-5</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>tuition only</td>
<td></td>
<td>fewer than 4</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent on the Bloomington campus to notify the Office of Veterans Affairs of any schedule change that may increase or decrease the amount of benefits allowed. Veterans and veteran dependents on the IUPUI campus should notify the Office of the Registrar.

Veterans with service-connected disabilities may qualify for the Department of Veterans Affairs Vocational Rehabilitation Program. They should contact their regional VA office for eligibility information.

For IUPUI, veterans and veteran dependents must notify their veteran benefit representative in the Office of the Registrar in person at the time of registration.

Appendix I

Cognate Areas, IUB

Apparel Merchandising and Interior Design

| Required: |
| AMID H168 Introduction to Interior Design (3 cr.) |
| AMID H271 Interior Design I—Three Dimensional Interior Design (3 cr.) |
| AMID H272 Interior Design II—Space Design (3 cr.) |
| AMID H264 Basic AutoCAD for Interior Design (3 cr.) |
| AMID H394 Advanced Computer Aided Design for Interior Design (3 cr.) |

Chemistry

| Required: |
| CHEM C105 Principles of Chemistry I (3 cr.) |
| CHEM C106 Principles of Chemistry II (3 cr.) |
| CHEM C341 Organic Chemistry Lecture I (3 cr.) |
| CHEM C371 Chemical Informatics I (3 cr.) |
| CHEM C372 Chemical Informatics II (3 cr.) |
| CHEM C470 Chemical Information Sources and Services (1 cr.) |
| CHEM C472 Computer Sources for Chemical Informatics (1 cr.) |
| CHEM C483 Biological Chemistry (3 cr.) |

Cognitive Science

| Required: |
| CGSS Q240 Philosophical Foundations of the Cognitive and Information Sciences (4 cr.) |
| CGSS Q270 Experiments and Models in Cognition (4 cr.) |
| CGS Q301 Brain and Cognition (3 cr.) |
| CGS Q320 Computation in the Cognitive and Information Services (4 cr.) |

Computer Science

Option I: Information Technology

| Required: |
| CSCI C211 Introduction to Computer Science (4 cr.) |
| CSCI C335 Computer Structures (4 cr.) |
| CSCI C343 Data Structures (4 cr.) |
| CSCI A348 Mastering the World Wide Web (4 cr.) |

Communication and Culture

| Required: |
| CMCL C205 Introduction to Communication and Culture (3 cr.) |
| CMCL C108 Introduction to Media (3 cr.) |
| CMCL C102 World Media (3 cr.) |
| CMCL C321 New Media (3 cr.) |
| CMCL C406 Media Theory (3 cr.) |

Economics

| Required: |
| ECON E201 Introduction to Microeconomics (3 cr.) |
| ECON E202 Introduction to Microeconomics (3 cr.) |
| ECON E221 Intermediate Microeconomics Theory (3 cr.) |
| ECON E227 Game Theory (3 cr.) |
| ECON E499 Advanced Undergraduate Seminar—Information Economy (3 cr.) |
| E221, E222, and M119 or M211 are prerequisites for E321. E321 is a prerequisite for E322 and E430. |

Fine Arts

Courses selected for a cognate must be approved by the School of Fine Arts.

| Required: |
| FINA F102 Studio Fundamentals—2D (2 cr.) |
| FINA NS15 Introduction to Photography for Non-majors (3 cr.) |
| Additional 12 credit hours to include 9 credit hours at the 300–400 level selected from the following: |
| FINA S250 Graphic Design I (3 cr.) (P: F102) |
| FINA S331 Graphic Design II (3 cr.) (P: S250) |
| FINA S352 Production for Graphic Designer (3 cr.) (P: S350) |
To be considered for admission, students must file an application with the School of Journalism, be admitted to a degree program in the School of Informatics, and have completed 26 credit hours with a minimum grade of C–.

Required:

- JOUR J101 Foundations of Journalism and Mass Communications (3 cr.)
- JOUR J200 Reporting, Writing, and Editing I (3 cr.)
- JOUR J201 Reporting, Writing, and Editing II (3 cr.)
- JOUR J202 Visual Communications (3 cr.)

Electives: Select at least two courses from the following list:
- JOUR J350 Topics (Online Journalism) (3 cr.)
- JOUR J450 Topics in Information Design (3 cr.)
- JOUR J452 Computerized Publication Design I (3 cr.)
- JOUR J453 Computerized Publication Design II (3 cr.)
- JOUR J454 Topics in Electronic News Gathering (3 cr.)

**Linguistics**

At least three courses must be taken at the 300 level or higher, and up to 3 credits from a related field.

Required:

- LING L303, Introduction to Linguistic Analysis (3 cr.)
- LING L305 Phonetics (3 cr.)

Any two of the following courses:
- LING L307 Phonology (3 cr.)
- LING L308 Morphology (3 cr.)
- LING L310 Syntax (3 cr.)
- LING L325 Semantics (3 cr.)
- LING L431 Field Methods (3 cr.)

One of the following courses:
- LING L445 Introduction to Computational Linguistics (3 cr.)
- LING L445 Introduction to Language (3 cr.)

**Mathematics**

Students must complete at least 18 credit hours including MATH M211 and M212, and three of the following:
- MATH M301 or M303 Linear Algebra (3 cr.)
- MATH M371 Elementary Computational Methods (3 cr.)
- MATH M395 Math for Language (3 cr.)
- MATH M447 Math Modeling (3 cr.)

**Psychology**

Required:

- PSY P101 Introduction to Psychology (or PSY P151) (3 cr.)
- PSY P335 Cognitive Psychology (3 cr.)
- PSY P339 Sensation and Perception (3 cr.)
- PSY P505 Human Factors/Ergonomics (2 cr.)
- CGDS G270 Experiments and Models in Cognition (4 cr.)
- CGDS G308 Brain and Cognition (3 cr.)

Public and Environmental Affairs

Prerequisite:

- INFO I030 Organizational Informatics (3 cr.)
- SPEA V382 Managing Information Technology (3 cr.)

Required:

- SPEA V418 Vector-Based GIS or V450 GIS in Public Management (3 cr.)
- SPEA V461 System Analysis and Design (3 cr.)
- SPEA V475 Database Management Systems (3 cr.)

In addition, students must select a focus area from one of the following:

**Option I: Environmental Issues**

Required:

- SPEA V418 Vector-Based GIS (3 cr.)
- Select two courses from the following:
  - SPEA E325 Computing for Environmental Scientists (2 cr.)
  - SPEA E363 Environmental Management (2 cr. recommended prerequisite) (3 cr.)
  - SPEA E418 Applied Remote Sensing (3 cr.)
  - SPEA E456 Environmental Monitoring and Management (3 cr.)

**Option II: Health Issues**

Required:

- SPEA H301 Introduction to Health Administration (3 cr.)
- At least one of the following:
  - SPEA H316 Environmental Health (3 cr.)
  - SPEA H402 Hospital Administration (3 cr.)
  - SPEA H411 Long-Term Care Administration (3 cr.)
Cognate Areas, IUPUI

Department of Computer and Information Science

Option I: Applications Support

The student must obtain a Certificate in Applied Computer Science. This must be done in such a way that courses taken as part of the informatics program that are cross-listed with courses in the Department of Computer and Information Science not be counted towards satisfying the requirements of the Certificate.

Required:

- CSCI N301 Fundamental Computer Science Concepts (3 cr.)
- CSCI N331 Visual Basic Programming (3 cr.)
- CSCI N341 Web Programming (3 cr.)

Plus at least 9 credit hours of designated courses in the department selected by the student in consultation with an advisor. The student must maintain a GPA of at least 2.0, with no individual grade in the program below a C.

Option II: Foundations of Computer Science

Required:

- CSCI 230 Computing I (4 cr.)
- CSCI 240 Computing II (4 cr.)
- CSCI 265 Advanced Programming (3 cr.)
- CSCI 300 Systems Programming (3 cr.)
- CSCI 340 Discrete Computational Structures (3 cr.)

Students must maintain at least a 2.5 GPA in these courses. Mathematics 164 is recommended as preparation for this option. A student choosing this cognate area can earn a minor in computer science with the addition of CSCI 362 Data Structures (3 cr.).

Department of Computer Technology

Students who have completed the core courses in informatics should meet all prerequisites for the first course listed in each cognate area.

Option I: Systems and Database Development

Required:

- CPT 374 Systems and Database Analysis (4 cr.)
- CPT 384 Systems Design (3 cr.)
- CPT 478 Database Physical Design and Implementation (3 cr.)
- CPT 484 Systems Analysis and Design Project (3 cr.)
- CPT 498 Ethics and Leadership (3 cr.)

Option II: Data Communications

Required:

- CPT 303 Communications Security & Network Controls (3 cr.)
- CPT 402 Design and Implementation of Local Area Networks (3 cr.)
- CPT 440 Communication Network Design (3 cr.)

Department of Economics

Required:

- ECON E201 Introduction to Microeconomics (3 cr.)
- ECON E202 Introduction to Macroeconomics (3 cr.)
- ECON E321 Intermediate Microeconomic Theory (3 cr.)
- ECON E327 Game Theory (3 cr.)
- ECON E385 Economics of Industry (3 cr.)

ECON E201 and calculus (M119 or M163) are prerequisites for E321.

Department of English and Technical Communication

Required:

- TCM 320 Written Communication in Science and Industry (3 cr.)
- TCM 350 Visual Elements of Technical Documents (3 cr.)
- ENG W305 Introduction to the English Language (3 cr.)
- ENG W307 Composing Computer-Delivered Text (3 cr.)
- ENG W305 Theories and Practices of Editing (3 cr.)

Department of Geography

Must complete five of the following courses with a minimum grade of C- in each course; and a minimum average of 2.0 (C) overall.

- GEOG G338 Introduction to Geographic Information Science (3 cr.)
- GEOG G436 Advanced Remote Sensing: Digital Image Processing (3 cr.)
- GEOG G438 Advanced Geographic Information Systems (3 cr.)
- GEOG G438 Seminar in Geographic Information Science (3 cr.)
- GEOG G438 Spatial Statistics (3 cr.)

Department of Health Science

Required:

- AHLT W105 Medical Terminology (1 cr.)
- AHLT W3ZZ Health Care Information Systems (3 cr.)
- AHLT W3ZZ Information Technology in Health Care Reimbursement (1 cr.)
- AHLT W3ZZ Organizational Structure of Health Care Systems (3 cr.)
- AHLT W40 Trends in Issues and Health Care (3 cr.)
- BIOL N212 Human Biology I (2 cr.)
- BIOL N212 Human Biology II (2 cr.)

Department of Mechanical Engineering Technology

Option I: Technical Animation and Spatial Graphics

Required:

- CGT 116 Geometric Modeling for Visualization and Communication (3 cr.)
- CGT 346 Digital Video and Audio (3 cr.)
- CGT 441 Advanced Computer Animation (3 cr.)

Option II: Engineering Graphics

Required:

- CGT 112 Sketching for Visualization and Communication (3 cr.)
- CGT 241 Introduction to Animation and Spatial Graphics (3 cr.)
- CGT 346 Digital Video and Audio (3 cr.)
- CGT 441 Advanced Computer Animation (3 cr.)

Department of New Media

The cognate requires the prerequisites of NEWM N175 Digital Media I and NEWM N180 Digital Media II. Students must receive
a C average in the cognate area and at least a C- in each course.

Option I: Animation

Required:
- NEWM N235 Introduction to Computer Simulation/Animation (3 cr.)
- NEWM N224 Introduction to Digital Video (3 cr.)
- NEWM N335 Computer-Based Character Simulation/Animation I (3 cr.)
- NEWM N440 Digital Video Production (3 cr.)
- NEWM N435 Computer Simulation/Animation III (3 cr.)
  or
- NEWM N440 DV and CGI Special Effects (3 cr.)

Option II: Interactive

Required:
- NEWM N204 Introduction to Interactive Media (3 cr.)
- NEWM N215 On-Line Document Development I (3 cr.)
- NEWM N304 Interactive Media Application (3 cr.)
- NEWM N315 On-Line Document Development II (3 cr.)
  or
- NEWM N420 Multimedia Project Development (3 cr.)
  or
- NEWM N475 Research in Design Methods (3 cr.)

Political Science

The area of concentration in Information and Political Decision Making consists of any five courses (15 cr.) from the following list.
- POLS Y205 Elements of Political Analysis (3 cr.)
- POLS Y233 Introduction to Public Policy (3 cr.)
- POLS Y300 Political Behavior (3 cr.)
- POLS Y307 Voting/Elections/Public Opinion (3 cr.)
- POLS Y381 Political Decision Making (3 cr.)
- POLS Y384 Public Policy Analysis (3 cr.)

Indiana University Bulletins
You may want to explore other schools of Indiana University. The following is a complete list of our bulletins. Please write directly to the individual unit or campus for its bulletin.

Indiana University Bloomington
College of Arts and Sciences
- Kelley School of Business
- School of Continuing Studies
- School of Education
- School of Health, Physical Education, and Recreation
- School of Informatics
- School of Journalism
- Division of Labor Studies
- School of Law—Bloomington
- School of Library and Information Science
- School of Music
- School of Optometry
- School of Public and Environmental Affairs
- University Division
- University Graduate School

Indiana University East (Richmond)
Indiana University–Purdue University Fort Wayne
Indiana University Kokomo
Indiana University Northwest (Gary)
Indiana University South Bend
Indiana University Southeast (New Albany)