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Indiana University School of Music at IUPUI

Indiana University's highly regarded School of Music has recently established a growing program at IUPUI that reflects urban culture. Activities include special courses on American popular music, contemporary music performance styles, and computer-based electronic music production.

The Indiana University School of Music at IUPUI is committed to delivering quality music instruction to the undergraduate non-major at the nation's premiere urban institution. Most courses carry no prerequisites and are open to all students. Performance ensembles are open to students, staff, faculty, and community members.

The Computer Music Technology Facilities have captured national attention. Several ensemble groups that are open to students, including the Jazz Ensemble, the Pep Band, and the IUPUI Chorus, perform at campus functions.

For more information, call or write: Indiana University School of Music at IUPUI Mary Cable Building, Room 222 525 N. Blackford Street Indianapolis, IN 46202 (317) 274-4000 Web: music.iupui.edu E-mail: info@music.iupui.edu

Degrees Offered in Music

The Master of Science in Music Technology degree is offered by the IU School of Music at IUPUI. Undergraduate classes and a minor in music are also available.

Graduate Program

The Master of Science Degree in Music Technology provides graduate students an academic background in digital music production, instructional design, and multimedia development. Current graduates of this master’s program have found employment in a wide range of business and educational settings. Participants develop skills in designing software, using authoring tools and languages, applying multimedia concepts, and managing technology facilities and projects.

Admission Requirements

• Degree requirement: Bachelor’s degree (with demonstrated musical skills)
• Minimum grade point average: 3.0 (4.0 scale)
• Admission interview: May be used to assess the applicant’s musical literacy, computer literacy,* personal skills, and professional experience

*Students entering the M.S. program with little or no computer experience have to take Instructional Computing Basics (1-3 credit hours). The course consists of three units, each equivalent to one credit: computer awareness/literacy, basic applications, and instructional computing basics. A review of a student’s prior computer coursework and experiences, combined when necessary with a test, will be used to assess competencies in each of the three areas. This course does not count toward the minimum 30 credit hour requirement.

• Portfolio: A performance tape and/or an original computer software program may be required to document an applicant’s skills and experience
• Letters of recommendation: Three letters of recommendation are required to support the admission application

Admission Categories

Upon receipt of the completed application, letters of recommendation, transcript, portfolio, and the completed interview, the Graduate Admissions Committee of the IU School of Music at IUPUI may grant regular admission, grant admission on probation, or reject the application.

Admission on Probation

A student who does not have an undergraduate and graduate grade point average of 3.0 or better may be admitted on probation in exceptional cases. The probationary status continues until 15 credit hours of course work have been successfully completed. Students who are admitted on probation and incur academic probation during their first semester of study are subject to dismissal.

Degree Requirements

• 30 credit hours (courses at the 500 level or above)
• Six credit hours in cognate courses (at the 400 level) to be selected from music, business, education, communications, computer science, fine arts, or law
• Six credit hours of approved courses (at the 500 level or above) from the cognate field or other fields with the approval of the head of graduate studies

Minimum Grade Point Average

• 3.0 average to continue
• No grades lower than B in core courses are counted toward the degree
• No grades lower than C are counted toward the degree

Residency Requirement

• Three consecutive summers, or one summer and a contiguous academic term

Core Courses

The following courses, 18 credit hours, are required of all students enrolled in the MSMT program:

<table>
<thead>
<tr>
<th>Class</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>N512</td>
<td>Foundations of Music Production</td>
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<td>N513</td>
<td>Principles of Multimedia Technology</td>
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<td>N514</td>
<td>Music Technology Methods</td>
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<td>N515</td>
<td>Multimedia Design Applications in the Arts</td>
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<td>N516</td>
<td>Advanced Interactive Design Applications in the Arts</td>
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<td>N517</td>
<td>Internship in Arts Technology</td>
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<tr>
<td>N518</td>
<td>Arts Technology Development Project</td>
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<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>18</strong></td>
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</tbody>
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Cognate Field Courses

Six credit hours are required in an approved cognate field within or outside the School of Music. Students may choose to complete the remaining 6 credit hours with emphasis in one of the following areas: music, business, communications, computer science, education, fine arts, law, or others with the approval of the department. The cognate field may become a minor if at least 12 credit hours are taken in one field.

Internship and Technology Project Opportunities

Students may elect to enroll in an internship (N517) or develop a multimedia project (N518) as the summative experience in the program. Either option is supervised by the student's academic advisor and requires a full report. (These courses are part of the core courses listed previously.) Students participating in the internship are placed in an academic technology setting or an industry setting for one semester of experience working with technology and multimedia experts. No thesis is required for the degree.

Music Minor

The IU School of Music at IUPUI welcomes students whose majors are outside the School of Music but who wish to minor in music. There is no audition required to minor in music, but students must declare music as their minor at the appropriate time in their undergraduate studies.

Music minors can and should participate in ensembles within the IU School of Music at IUPUI, and should register (or audition when required) for these ensembles during undergraduate orientation or the first week of class. The Jazz Ensemble, Pep Band, University Choir, and IUPUI Chorus are open to all students.

IUPUI Music Academy

The IUPUI Music Academy opens the world of music to students of all ages in its state-of-the-art music classrooms and computer labs. The Academy was established in August 1996 by offering piano and electronic keyboard instruction to children and adults. Since then, the academy has grown with the addition of preschool music programs and vocal and instrumental programs (violin, flute, sax, guitar, drums, trumpet). Classes are offered weekdays and on weekends for students’ convenience.

IUPUI Day Care

Children attending the IUPUI Center for Young Children can join the Music Academy for preschool music classes during the week day. Students have their class in a music room during their free time. These students do not miss instruction time from the Day Care Program.

For more information, contact: William Budai, Director IUPUI Music Academy Mary Cable Building, Room 220 Phone: (317) 278-2593 Fax: (317) 278-2590 E-mail: musacad@iupui.edu Web: music.iupui.edu/academy
International Music Technology Conference and Workshop

The Annual International Music Technology Conference and Workshop is hosted in Indianapolis during the latter part of June. Two workshops are offered: one in Using the Internet and Web Design Instruction, and a second in Distance Learning Technology for Music. Participants may register for one or both workshops, and graduate credit is available for those who attend both workshops.

Participants in the International Computer Music Technology Conference will be able to see and experiment with the latest technology, such as the following:

- Macintosh Music Lab: The 15-station, fully equipped iMac lab is available. Each station is connected to the local area network and outfitted with CD-ROM, digital keyboard, and multimedia capabilities.
- PC Music Lab: The 21-station IUPUI Computer Music Technology Facility is one of the largest “fully networked” PC computer music education laboratories in the United States. Each of the workstations is equipped with a multimedia computer and a Korg X5D keyboard, and Viking Corporation’s line of ergonomically designed furniture. For ease of use, each of the 21 workstations in the IUPUI Computer Music Technology Facility is connected to a Korg Group Education Controller Network.
- Digital Keyboard Lab: This lab is equipped with 16 Yamaha Clavinova keyboards, a Yamaha Labcontroller audio system, Macintosh computers/interface cards, and a Teacher’s Station.
- Graduate Lab: This lab has full production capabilities. It is equipped with digital flatbed scanning, video and photographic digital cameras, sound-tool software, video-edit software, multimedia authoring tools, and CD-ROM burner hardware and software. Both Pentium and Macintosh computers are available.

Participants will have ample lab time to pursue individual projects on either platform throughout the conference. Participants will have the opportunity to work with both Macintosh and Windows applications.

Topics include the following:
- Multimedia applications
- CD-ROM technology
- Music printing and notation
- Internet resources and Web design
- Computer-based music instruction
- Music workstation setup
- Grant writing
- Computer-based music curriculum design

Undergraduate Music Courses

D100 Percussion Elective/Secondary (2 cr.) Individual percussion lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

E241 Introduction to Music Fundamentals (2 cr.) Designed for, but not limited to, elementary education majors and others interested in using music as a learning tool.

E400 Undergraduate readings in Music Education (1-2 cr.)

F400 Seminar/Variable Topics (2-3 cr.)

L100 Guitar Elective/Secondary (2 cr.) Individual guitar lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

L101 Beginning Guitar Class (2 cr.) Fundamentals of contemporary guitar playing, with emphasis on simple songs and chords; acoustic guitar required for class and practice.

L102 Intermediate Guitar Class (2 cr.) P: L101 and/or ability to read music and play chord structures proficiently. Builds on knowledge learned in L101; ability to reach chord notation, rhythms, and music notation necessary; acoustic guitar required for class and practice.

L103 Advanced Guitar Class (2 cr.) P: L101 or permission of instructor. Study of advanced techniques, including open tunings and slide guitar. A section for classical guitar is also available under this number.

M110 Special Topics in Music for Non-Music Majors (3 cr.) This is a variable topics class. At IUPUI, some of the topics could include the following: Music and Computers, Studio Music Lab, Urban Drum Experience (2 cr.), Understanding Jazz (1 cr.—5 weeks), Understanding the Orchestra (1 cr.—5 weeks), Women Musicians (1 cr.—5 weeks), or Music of Louis Armstrong (1 cr.—5 weeks).

M174 Music for the Listener (3 cr.) A survey course covering traditional and modern music styles of the last 1,000 years. Learn how to listen to music, instruments, and musical forms. No prior music experience required. (on campus andWW)

M393 History of Jazz (3 cr.) Emphasis on jazz as a means to better understand the history and culture of America through examining the period’s major performers and composers, trends, influences, stylistic features, and related materials.

M394 Black Music in America (3 cr.) A survey and exploration of black music from its African origin to the present, with special emphasis on its social, economic, and political impact.

P100 Piano Elective/Secondary (2 cr.) Individual piano lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

P110 Beginning Piano Class for Non-Music Majors (2 cr.) Learn keyboard and music reading skills; must have access to out-of-class keyboard for practice. Classes meet in Clavinova lab. For students with no piano experience.

P120 Beginning Piano Class 2 for Non-Music Majors (2 cr.) P: P110 or permission of instructor. Builds on skills acquired in P110.

S110 Violin Elective/Secondary (2 cr.) Individual violin lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

S120 Viola Elective/Secondary (2 cr.) Individual viola lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

V100 Voice Elective/Secondary (2 cr.) Individual voice lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

W150 Saxophone Elective/Secondary (2 cr.) Individual saxophone lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

W110 Flute/Piccolo Elective/Secondary (2 cr.) Individual flute/piccolo lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

W150 Saxophone Elective/Secondary (2 cr.) Individual saxophone lessons, 50 minutes each week. Additional applied fee. Time scheduled with instructor. Interview/audition required. Call 274-4000 for audition.

X040 University Instrumental Ensembles (2 cr.) Indianapolis Philharmonic Orchestra. Admission by audition only. Call 274-4000 for more information.

X040 University Instrumental Ensembles (2 cr.) IUPUI Jazz Ensemble. Music of the Big Band era. This class is contingent upon enrollment of full instrumentation. Enrollment limited. Audition/interview required. Call 274-4000 for information.

X040 University Instrumental Ensembles (1 cr. per semester) IUPUI Pep Band. The Pep Band is organized in the fall and performs at home basketball games in the spring. (Open to all students who play a band instrument.) Call 274-4000 for more information.

X070 University Choral Ensembles (2 cr.) The following vocal ensembles are available at IUPUI: IUPUI Chorus, IUPUI and Marian College Combined Choral Ensemble, and Indianapolis Symphonic Choir (authorization and audition required). Call 274-4000 for more information.

Z100 The Live Musical Performance (2 cr.) Examines the approach to attending live performances of music (large ensembles, chamber ensembles, solo
recitals, and other multimedia performances). Students attend live performances and discuss music performances by genre to develop critical listening skills.

Z111 Introduction to Music Theory (3 cr.) A study of fundamentals of the language and notation of music: listening, music reading and writing, and the elements of music as used in a variety of genres. Open to all students interested in a general background in music. Recommended for singers, instrumentalists, and keyboard players.

Z201 History of Rock 'n' Roll Music (3 cr.) Survey of major trends, styles, and genres of rock music of the 1950s and 1960s, focusing on the work of artists and groups who have proved to have the most enduring significance.

Z301 History of Rock Music—’70s and ’80s (3 cr.) Survey of trends and styles in rock music of the ’70s and ’80s. Focusing on the artists and groups who have shaped the music of yesterday, today, and tomorrow.

Z315 Music for Film (3 cr.) A survey of the music and sound of movie soundtracks. Class will feature film segments, which are analyzed to see how music textures, tempos, and structures affect the plot. No prerequisite required.

Z320 Special Topics in Popular Music (3 cr.) This is a variable topics class in popular music. At IUPUI, some of the topics could include the following: Business of Commercial Music, Contemporary Broadway Musicals, Women Musicians, American Popular Music, Electronic Music Composition, or Music of Jimi Hendrix.

Z401 Music of the Beatles (3 cr.) Chronicles the meteoric rise of the group from Liverpool, England, that started the rock revolution heard around the world.

Graduate Music Courses

E536 Special Workshop in Music Education (1-3 cr.) IUPUI focuses on implementing computer, MIDI keyboards, and multimedia into the music curriculum. Also used for campus leaders speaking on topics of media, instructional technology, distance learning, and multimedia; plus leading music technology guests.

E536 Digital Sound Design for Multimedia (3 cr.) P: M110, N514, or consent of instructor. Presents music composition and multimedia applications for advanced M.I.D.I. systems and digital audio workstations. Analog, digital and software-based synthesis as well as multi-track M.I.D.I./digital recording systems will be explored.

E536 Systematic Research in Arts Technology (3 cr.) P: Consent of instructor. Introduction to the underlying principles and concepts of technology-based studies in the arts. Emphasis on the integration of scientific methodology, descriptive and inferential techniques, and multimedia instrumentation in project development.

N512 Foundations of Music Production (3 cr.) P: Consent of instructor. Examines foundations and principles of music production. Topics include publishing, print media, music composition, methods, textbooks, multimedia, computer and electronic transmission of computer imaging, sound, and video. Other aspects covered are broadcast media; televideo graphics; background audio; script credit approval; clearances; recording; CD audio; sampling and reproduction of sound and images; multimedia; and computer applications, including network and broadband transmission of media. Business affairs, arts management, live performance, and legal aspects of the commercial music industry are assessed.

N513 Principles of Multimedia Technology (3 cr.) P: Consent of instructor. Examines theories and research in the use of computer technology with special focus on curriculum design and implementation of technology in the classroom; learning and training theory paradigms applied to technology; technology selection and assessment for learner-centered, individualized instruction and training; implementation and resource allocation; assessment designs for specific instructional models; technology and assessment database manipulation; curriculum design and media-optimized instruction; training curriculum models; and multimedia motivation.

N514 Music Technology Methods (3 cr.) P: Consent of instructor. An in-depth study of sequencing and music notation technology. This course also explores the history of Music Instrument Digital Interface (MIDI) development and related uses of MIDI with multimedia, including history and development of music; computer graphics and video technology; multimedia methods and techniques applied to training and instruction; music applications of sound-based stimuli in methods; graphic design applications for visual stimuli; video graphics; and storyboard methods. Current and emerging digital arts technologies will be assessed.

N515 Multimedia Design Application in the Arts (3 cr.) P: Consent of instructor. Presents the principles and fundamentals of instructional design and design techniques using authoring tools on PC, Macintosh, and emerging computer platforms. Included are storyboarding, planning, and organization of scripts; the use of current technology, computers, video, and digital arts equipment; computer-assisted design and project planner software tools; and management of design team concepts. Also includes design parameters for CD-ROM and videodisc production.

N516 Advanced Interactive Design Applications in the Arts (3 cr.) P: N515 or consent of instructor. Incorporates extensive analysis and use of computer and multimedia authoring tools intended for specific educational applications. Project management and programming team organization; media management and selection criteria for digital arts media development; task analysis and instructional sequencing applied to training and instruction; assessment modeling and feedback schedules for intrinsic motivation of students and trainees are examined.

N517 Internship in Arts Technology (3 cr.) P: N516 or consent of instructor. An internship program for students to work with and learn from experts in arts technology fields who are developing and using new applications in commercial and educational settings. Requirements for interns include the development of a technology project proposal; interview, resume, and project presentation; on-site intern residency; project report; and oral and media presentation of project outcomes.

N518 Arts Technology Development Project (3 cr.) Students create and orally present a multimedia teaching/training project which combines one or more of several elements of music technology including CD-ROM, videodisc, digital audio and video, and MIDI. Requirements include technology project proposal development; oral presentation of proposal; research and development of project; project final report; and oral and media presentation of project.

Administrators

G. David Peters, Professor and Director of Music Program
Fred J. Rees, Associate Professor and Head, Graduate Studies

Faculty

Albright, Bruce Randall, B.A., A.S. (Indiana University, 1992, 1993), Part-time Lecturer
Anderson, Elizabeth Rene, M.M.E. (University of North Texas, 1993), Part-time Lecturer
Anderson, David D., M.M. (Indiana University, 1989), Part-time Lecturer
Anderson, Elizabeth Rene, M.M.E. (Indiana University, 1992, 1993), Part-time Lecturer
Anderson, David D., M.M. (Indiana University, 1989), Part-time Lecturer
Anderson, Elizabeth Rene, M.M.E. (Indiana University, 1992, 1993), Part-time Lecturer
Babcock, Douglas B., (Indiana University), Part-time Lecturer
Baransky, David S., M.S. (Indiana University, 1999), Part-time Lecturer
Budai, William H., M.M. (Bowling Green State University, 1995), Visiting Lecturer and Director, IUPUI Music Academy
Burg, Randal, M.M. (Indiana University, 1992, 1993), Part-time Lecturer
Copeland, David, B.A. (Indiana University, 1998), Part-time Lecturer
Copeland, David, B.A. (Indiana University, 1998), Part-time Lecturer
Covall, Robert, B.A. (Indiana University), Part-time Lecturer
Covall, Robert, B.A. (Indiana University), Part-time Lecturer
Faust, Lee, M.M. (Indiana University), Part-time Lecturer
Frenkel, Karen, M.M., M.S. (Indiana University, 1966, 1990), Part-time Lecturer
Gerzon, Joan, M.M. (Indiana University, 1951), Part-time Lecturer
Gilfoyle, Jack, M.S. (Indiana University, 1965), Lecturer
Goetz, Joy, M.S. (Indiana University, 1998), Part-time Lecturer
Hergenreder, Robert, M.A. (University of Alabama, 1991), D.M.E. (Indiana University, 1997), Part-time Lecturer
Hermance, Martin, M.M. (Indiana University, 1991), Part-time Lecturer
Jankowiak, Thomas J., M.M.T. (Indiana University— Purdue Indianapolis, 1999), Part-time Lecturer
Koenig, Mark, M.M. (Georgia State University, 1986), Part-time Lecturer
Lindsay, Charisse, M.M. (Butler University, 2000), Part-time Lecturer

Part-time Lecturer

Janke, Thomas J., M.S.M.T.
Hodapp, Martin, M.M. (Indiana University, 1991), Part-time Lecturer
Herzig, Monika, M.A. (Bowling Green State University, 1995), Visiting Lecturer and Director, IUPUI Music Academy
Goetz, Joy, M.S. (Indiana University, 1998), Part-time Lecturer
Hergenreder, Robert, M.A. (University of Alabama, 1991), D.M.E. (Indiana University, 1997), Part-time Lecturer
Hermance, Martin, M.M. (Indiana University, 1991), Part-time Lecturer
Jankowiak, Thomas J., M.M.T. (Indiana University—Purdue Indianapolis, 1999), Part-time Lecturer
Koenig, Mark, M.M. (Georgia State University, 1986), Part-time Lecturer
Lindsay, Charisse, M.M. (Butler University, 2000), Part-time Lecturer

Part-time Lecturer

Gerzon, Joan, M.M. (Indiana University, 1951), Part-time Lecturer
Gilfoyle, Jack, M.S. (Indiana University, 1965), Lecturer
Goetz, Joy, M.S. (Indiana University, 1998), Part-time Lecturer
Hergenreder, Robert, M.A. (University of Alabama, 1991), D.M.E. (Indiana University, 1997), Part-time Lecturer
Hermance, Martin, M.M. (Indiana University, 1991), Part-time Lecturer
Jankowiak, Thomas J., M.M.T. (Indiana University—Purdue Indianapolis, 1999), Part-time Lecturer
Koenig, Mark, M.M. (Georgia State University, 1986), Part-time Lecturer
Lindsay, Charisse, M.M. (Butler University, 2000), Part-time Lecturer
Lindsey, Roberta L., M.A. (*Butler University, 1987*), Ph.D. (*Ohio State University, 1996*), Visiting Assistant Professor

Marshall-McClure, Clara J., M.A. (*Purdue University, 1984*), Part-time Lecturer

Morgan, David, B.A. (*Indiana University–Purdue University Indianapolis, 1994*), Part-time Lecturer

Mullenix, Holly K., M.S. (*Indiana University, 1998*), Part-time Lecturer

Myers, Kathleen D., M.M. (*Butler University, 2002*), Part-time Lecturer

Nardo, Rachel L., D.M.A (*University of Southern California, 1996*), Associate Professor

Peters, G. David, M.S., D.M.E. (*University of Illinois, 1965, 1974*), Professor and Director of the Music Program

Pickard, Beth A., M.A. (*Ball State University 1971*), M.S. (*Indiana University, 1998*), Part-time Lecturer

Plexico, Byron, M.M. (*Butler University, 1991*), Part-time Lecturer

Rees, Fred J., D.Mus.Arts (*University of Southern California, 1977*), Associate Professor and Head, Graduate Studies

Sittard, John E., M.A. (*Indiana University, 1993*), Part-time Lecturer

Smith, Kenneth, H., M.A. (*Eastman School of Music, 1991*), Part-time Lecturer

Sowers, Jodi L., M.M. (*Butler University, 1998*), Part-time Lecturer

Ware, Kenneth L., M.A., Ph.D. (*Indiana University, 1977, 1989*), Visiting Professor

Yon-Short, Chayoung, M.M. (*Butler University, 1995*), Part-time Lecturer