Bachelor of Science in Music Technology
The BSMT curriculum reflects a diverse mix of music and technology in today's professional world. Many students will come into the program with years of experience in music or technology, and the need for diverse courses to help them further their education. Employers, particularly in the business sector, will expect BSMT graduates to be adept at using music technology since it pervades every aspect of music product development, studio recording, commercial music, and the world of digital music. The curriculum includes a variety of academic and musical backgrounds, some demonstrating strong mathematical and computing skills, and others with conceptual musical ideas. The course work furthers the high level of musicianship expressed through technology yet also supports students' interests in employing it to develop technological skills that reflect their academic abilities.

For more information contact:

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The BSMT May Be For You!

BSMT Recipient Career Opportunities

- Multimedia production
- Audio recording
- Computer-based training and education
- Music publishing
- Entertainment management
- Music software design
- Sound design
- Video production
- Music and media distribution
- CD/DVD/Blu-ray production

This degree applies multimedia technology to video, audio, and graphic arts production, educational materials, and entertainment management, including education and training to take knowledge and skills from the program into school classrooms, professional music enterprises, and the business world.

BSMT Overview

One hundred and thirty (130) hours of course work are required, with a concentration in an allied field such as computer technology. Students are engaged in making music with technology including performing, composing and producing digital music, and mastering format materials. Students study musicianship during the first two years of the degree program, which then blends music, theory, history, keyboard, and audio fundamentals. Participation in musicsembles and applied music lessons each semester is required (4 credits total). There is also a senior Capstone Project that represents the result of the student's knowledge and skills in both music technology and a specific concentration. The degree is designed for a four year course of study.

About the Degree

The Bachelor of Science in Music Technology (BSMT) degree is designed to provide professional training for students interested in employing music technology. The program builds skills and knowledge toward the music industry and other music professional fields. The program is flexible in structure and is ideal for students who work in the music industry and those who want to be professional musicians. The BSMT program will be attractive to students who want to combine science and technology with the application of music. The program can be completed in as little as 3 years.

Curriculum

The BSMT degree program, which combines music theory, history, keyboard, and aural training, is designed to provide professional training for students interested in employing music technology in the music industry and other music professional fields. The program is flexible in structure and is ideal for students who work in the music industry and those who want to be professional musicians. The BSMT program will be attractive to students who want to combine science and technology with the application of music. The program can be completed in as little as 3 years.

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Music Courses

Musicianship I, II, III, IV 8 hrs
Music Ensemble (four years) 8 hrs
Applied Music (four years) 8 hrs
Music Technology II, III, and IV 12 hrs
Capstone Music Performance 3 hrs
Electives (300/400 Level) 11 hrs

Weir Ricardo Lanari is Lecturer in the Music and Arts Technology Department at IUPUI, where she developed the first course for the BSMT program. Prior to this position, Lanari taught music theory at the University of Indianapolis. She holds a Master of Music in Education from the University of Pittsburgh, a Bachelor of Music in Performance from the Grove School of Music, and a Graduate Certificate in Music Education and Music History and Literature. She has numerous publications, including essays in the Reader’s Handbook of Music: History, Theory, and Criticism. She is also a recognized presenter in the field of Online Music Education, Technology and Music, and Music History and Literature. Her latest research has been published by Salem Press.

Dr. Robert Lindsey is Clinical Assistant Professor and Coordinator of Undergraduate Music Studies at IUPUI. He received his Ph.D. from the Ohio State University in 1989 focusing on Aaron Copland’s first orchestral work, Groping. A cellist in Div-Art, Dr. Lindsey has numerous publications, including his book, The Reader’s Guide to Music: History, Theory, and Criticism. He is also a registered participant in the Field of Online Music Education, Technology and Music, and Music History and Literature. His new research has been published by Salem Press.

We have Mr. David Morelli as Lecturer and Chair in the Music and Arts Technology Department at IUPUI. As a tenor, he enjoys a demanding singing career spanning oratorio, academic and church work. A native of Topeka, Kansas, he received his Music Education degree from Emporia State University and Master of Science in Music Technology from Indiana University in Indianapolis. He was Director of Music for seven years for a public school district in Kansas where he taught K-8 music through high school. He has worked with John Jacob Niles, Chita Morgan, and Langston Hughes. He is a warm-up and vocal coach at the Kansas City Opera and numerous orchestras throughout Kansas. His singing career takes him throughout the United States and Europe where he performs as guest soloist with regional opera houses and orchestras. He has traveled to Italy, where he studied with Armando Pizzoli, former voice teacher of Luciano Pavarotti.

Mr. Chuyuan Meng is Lecturer in the Music and Arts Technology Department at IUPUI and Technology Specialist at the Donald Tavel Arts Technology Research Center. He is an accomplished concert pianist, software engineer, and web designer. He received his Bachelor of Music degree from the College of Music at Ohio State University and Master of Science in Music Technology degree from the Indiana University School of Music at IUPUI. He continues to develop applications for music education with innovative technologies.

Dr. E. J. Chase is Assistant Professor of Music in the Music and Arts Technology Department at IUPUI and is the Director of the BSMT program. She also teaches Against Cancer, a course that helps people fight cancer and their own mental battles associated with cancer treatment. Dr. Chase received her Doctorate of Music Education in Vocal Performance at Indiana University and held two residencies to give concerts and master classes at Yonsei University, Kangnung University, Chon Nam University, and Hanyang University. She has appeared as guest soloist with the Denver Philharmonic Orchestra, Flat Rock, Symphony Society and Ansada Symphony Orchestra. Her studies include a Bachelor of Music and Master of Music from the University of Colorado at Boulder and a Doctor of Music in Piano, Music Literature and Pedagogy from Indiana University-Bloomington.

Dr. Scott Deal is Professor and Director of the Donald Tavel Arts and Technology Research Center at IUPUI. He is well known as an active performer of new and contemporary music. He has performed contemporary music, including electronic music, throughout the United States and Europe where he performs as guest soloist with regional opera houses and orchestras. He has traveled to Italy, where he is a founding member of the ART GRID, an Internet2, telematic performing collective comprised of multidisciplinary artists and computer specialists. He is a Doctor of Musical Arts degree from the University of Miami, a Master of Music degree from the University of Cincinnati College-Conservatory of Music, and a Bachelor of Arts degree from Carnegie Mellon University.

Dr. Michael Drew is Assistant Professor in the Music and Arts Technology Department at IUPUI. He is a composer of contemporary acoustic works and his music explores unconventional narrative strategies and the use of interactive music technology to expand traditional ideas of music performance and composition. He has performed in the United Kingdom, France, Germany, Asia, and across the United States. Drew holds a Doctor of Music degree from the University of Illinois, a Master of Music degree from the University of Cincinnati College-Conservatory of Music, a Bachelor of Music degree from Indiana University-Bloomington.

Dr. Robert Lindsey is Clinical Assistant Professor and Coordinator of Undergraduate Music Studies at IUPUI. He received his Ph.D. from the Ohio State University in 1989 focusing on Aaron Copland’s first orchestral work, Groping. A cellist in Div-Art, Dr. Lindsey has numerous publications, including his book, The Reader’s Guide to Music: History, Theory, and Criticism. He is also a recognized presenter in the field of Online Music Education, Technology and Music, and Music History and Literature. His new research has been published by Salem Press.

Financial Support

• Undergraduate scholarships are available on campus, full-time students, based upon qualifications and availability of funds.
• Government loan programs

Facts about the BSMT Program

• The first undergraduate music degree to be offered with music technology throughout the program.
• Interdisciplinary studies within the music degree.
• Globally recognized faculty in music technology.
• Unique state-of-the-art music technology labs and facilities.
• Campus technology links to Internet2 and Virtual Reality Laboratories.
• World-class digital library and research lab.
• Donald Tavel Center for Digital Arts Research
Dr. Fred J. Rees is Professor of Music, Chair, and Advisory Board Chair of the Department of Music and Arts Technology at IUPUI. He came to Indianapolis in 1999 from the University of Northern Iowa, where he developed the first graduate music education degree program in the country to be broadcast at a distance over the state’s interactive television network. He has contributed to adapting the Master of Science in Music Technology degree as a live, video streamed degree program with worldwide student enrollments. He has also designed the Bachelor of Science in Music Technology degree program that integrates music technology throughout the curriculum. Prior academic appointments include New York University and the University of Queensland (Australia). Dr. Rees holds a Doctor of Musical Arts from the University of Southern California, a Bachelor of Science in Music Education and a performance certificate in double bass from the Crane School of Music (SUNY-Potsdam).

Dr. G. David Peters is Professor and Head of Graduate Studies in the Department of Music and Arts Technology at IUPUI. He is an internationally recognized leader in the fields of computer-based instruction and music software development. He is a researcher in computer-based music assessment and instructional design applications.

He is the author of numerous articles, sixty music software programs and a book on computer-based music performance assessment detailing his funded research by the National Endowment of the Arts and the United States Department of Education. He is also co-author of two books related to music learning and computer instruction.

Dr. Peters holds an MS and EdD from the University of Illinois (UIUC) and was the first to receive a doctoral degree from UIUC that specialized in computer-based music instruction.

Mr. Randy Albright is Lecturer in the Music and Arts Technology Department at IUPUI. He earned a Bachelor of Arts in Theater from Indiana University and an Associates degree in Audio Engineering from Indiana University. While studying at Indiana University, Randy worked for three years as assistant to Dr. Glenn Gass, the originator of Indiana University’s Rock History Studies program. In 1999, Randy was hired as an adjunct instructor to teach Rock History classes at IUPUI. Upon completing his Master’s of Science in Music Technology degree in 2002, Randy joined the music department full-time as a Lecturer.

Mr. John Alvarado is Lecturer in the Music and Arts Technology Department at IUPUI. He received his Bachelor of Music in Classical Guitar Performance from DePaul University and his Master of Music in Performance from Arizona State University. A strong advocate for the guitar as a concert instrument, Alvarado is a founding member of the Indiana Society for the Classical Guitar.

John has been an active supporter of contemporary music, participating in the Chicago Young Composers Festival, Northwestern University New Music Festival and DePaul’s New Music program. He also co-founded the New Media Productions, a Non-Profit organization designed to support, create and provide a venue for modern performance art. He is currently Trustee Lecturer of Guitar for the IUPUI Department of Music and Arts Technology.

Dr. Darrell Bailey is Professor of Music in the at IUPUI. Prior to that, he was the founding executive associate dean of the Indiana University School of Informatics where he oversaw the process of approval for three degree programs in Media Arts and Science as well as Master’s and Ph.D. programs in Informatics.

Dr. Bailey holds three degrees from Oberlin College, a Bachelor of Arts in Music, a Bachelor of Music in Organ Performance, and an Master of Music Teaching. His Doctorate of Education in Music Education degree is from the University of Illinois.

Dr. Burns is Associate Professor and Coordinator of Music Therapy programs at IUPUI. Dr. Burns is an active member of the American Music Therapy Association and has recently co-authored a text entitled Music Therapy Reimbursement: Best Practices and Procedures. She is also an active reviewer for Music Therapy Perspectives and the Indiana University Cancer Center Scientific Review Committee.

Prior to joining the faculty at IUPUI in 2004, Dr. Burns completed a postdoctoral research fellowship funded by the National Institutes of Health, National Center for Complementary and Alternative Medicine. Her research training focused on alleviating symptom distress and improving the quality of life of cancer patients in active treatment. She maintains an active research program exploring the various benefits of music therapy for cancer patients. She has presented nationally and internationally on these topics.