



Music Tech Talk

* The cross-disciplinary approach to music technology education highlights this month's ATMI newsletter.

* Upcoming: ATMI Virtual Forums to be announced soon.

Share Your Achievements

* We invite you to keep the community informed about your latest accomplishments. Whether you have groundbreaking research starting, awards won, or exciting news to share, let us know! Your contributions make our community stronger.

* Connect with us by emailing the details to the newsletter editor at dgoot@iu.edu, and you may find your achievements published in the next newsletter. We look forward to celebrating your successes and keeping our community vibrant!

Mentorship Sessions

* ATMI members can now tap into valuable insights from experienced music technology professors through mentorship. For more information contact Dana Kemack Goot @ dgoot@iu.edu to be connected to a mentor.

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Where Music Technology and Education Connect

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Music Technology in Higher Education: A Cross-Disciplinary Approach

As music technology continues to evolve, universities are adopting interdisciplinary approaches that prepare students for diverse careers. By merging music with computer science, engineering, and digital arts, institutions provide a well-rounded education that fosters creativity and technical expertise. A look at various programs reveals strategies that any university can adopt to enhance its offerings.

Carnegie Mellon University blends music, computer science, and engineering to develop innovative technologies for composition and performance. Students collaborate on projects like AI-assisted composition tools and real-time performance systems. Temple University offers a flexible curriculum, allowing students to tailor their studies across multiple disciplines, with coursework including digital music production, coding for interactive media, and business courses on the music industry. North Carolina State University integrates engineering principles into music technology, emphasizing hardware and software development, with students working on projects like custom-built synthesizers and real-time audio processing applications. Union College provides a minor that allows students from various majors to explore music technology, enabling a computer science student to develop music AI applications or a digital arts major to explore sound design. Georgia Tech fosters research-driven innovation through interdisciplinary projects such as robotic musicianship and immersive VR music experiences.

To create a meaningful and interdisciplinary music technology program, universities can focus on three key areas:

Cross-Department Collaboration – Partnering with departments such as computer science, business, and media studies fosters diverse perspectives and innovative learning experiences. Joint degree options or interdisciplinary projects can broaden student skill sets. A joint capstone project where music and engineering students collaborate on a new digital instrument can serve as an effective model for interdisciplinary learning.



Flexible and Practical Learning – Customizable curricula that include production, coding, and interactive media empower students to shape their education. Certificate programs or minors can complement traditional music degrees. A specialization in game audio, where students learn to compose for interactive environments, or a course on AI-generated music composition can provide students with focused expertise in emerging fields.

Hands-On Research and Innovation – Real-world learning opportunities, such as designing audio plugins, developing interactive applications, or engaging in music technology research labs, enhance student experiences. A university music technology lab might partner with a local startup to develop new virtual performance software, or students could participate in an industry-sponsored hackathon focused on sound innovation.

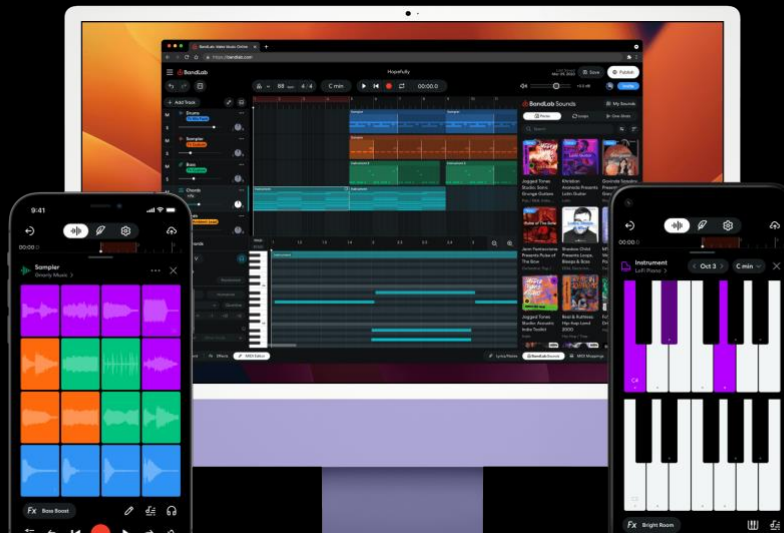
These institutional elements contribute to comprehensive, future-focused music technology programs that equip students with the skills necessary for careers in academia, industry, and emerging fields.



TECH TIP: BANDLAB FOR EDUCATION

Looking for an all-in-one platform to enhance music collaboration and production in your classroom? **BandLab for Education** provides a cloud-based digital audio workstation (DAW) designed for students and teachers. With real-time collaboration, a library of built-in loops and effects, and multi-device accessibility, BandLab fosters creativity in both individual and group projects.

Educators can create assignments, track student progress, and provide feedback directly within the platform, making it a valuable tool for modern music education. Whether guiding students through composition, recording, or remixing, BandLab offers a user-friendly interface that accommodates all skill levels. Learn more about [BandLab for Education](https://www.bandlab.com/education) and how it can enhance music collaboration in the classroom.



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