Tulane University

MUSIC SCIENCE AND TECHNOLOGY MINOR

Tulane's Music Science and Technology Minor Curriculum allows students to explore intersections between music, engineering, production, and computer programming, with a focus on the creative applications of technology in the creation of music. The program encourages creativity in technical research and in composition for various media and performance. Area objectives include developing innovative approaches to the scientific and artistic study of music composition, performance, and media, undertaking multidisciplinary research relevant to the creation and perception of music, and fostering an interdisciplinary culture between members of the fine arts, engineering, and science communities on campus.

Our students undertake projects in music signal processing, sound synthesis and analysis, computer/electro-acoustic music composition, intermedia, music performance systems design, electronic music history, and music perception. Our expanding computer music composition facilities include a dedicated teaching laboratory with eight student computer workstations. The music department maintains an up-to-date composition studio featuring professional level microphones, monitors, and controllers with 8.1 channel surround sound capabilities.

Requirements

Course ID	Title	Credits
Required Courses		
MUSC 1510	Music Theory I [1]	3
APMS 2218	Composition	2
or APMS 2230	Composition for Electronic Media I	
APMS 3213	Composition	2
or APMS 3230	Composition for Electronic Media II	
APMS 2173	Instrumental Ensemble (2 semesters)	2
Choose from 4 of the following:		12
MUSC 1520	Music Theory II [1]	
MUSC 2300	Computer Apps In Music [1]	
MUSC 2310	Electronic Music History	
MUSC 4400	Music & Dsp [1]	
MUSC 4410	Music Performance System	
MUSC 4420	Algorithmic & Comp Music	
MUSC 4950	Spec Topic In Musicology	
Total Credit Hours		**21**

[1]   Pre-requisites and/or Co-requisites (see course descriptions)