Recording Arts Certificate

Description - The Recording Arts Certificate is an interdisciplinary curriculum that addresses diverse interests in both sound and technology. The curriculum offers a foundation in musicianship, design, and recording technology, and opportunities for students to pursue specific interests in areas of composition, design, music history, physics of sound or business. The 18-credit program includes required and elective courses, and at least one internship. A maximum of 3 credits from the certificate can count to the major. Applications are available through the Department of Music and Theatre Arts. Acceptance into the program may be limited due to available resources, internships, and needs of the program.

Required (8 crs.):

MUSI 309: Electronic Music: Experimentation in the construction of soundscapes. Exposure to acoustics, psychoacoustics, audio editing and processing, synthesis, and MIDI sequencing. Discussion of events, people, and technologies that marked the development of electronic music. Pre-req. MUSI 102 or MUSI 141 (2 cr.)

MUSI 317: Sound Technology Principles: Introduction to Sound Technology: Topics could include studio techniques, live sound recording, mixing, mastering audio, computer hardware, orchestration. (3 cr.)

MUSI 498: Music Technology Internship: These internships are available in on-campus venues, but also recording studios and music industry in the region. (3 cr.)

Elective(s) to be selected from the following: (10 crs.)

BSAD 125: Essentials of Marketing: This course provides students with a basic understanding of marketing. Students learn the role of product, price, promotion, and distribution in the marketing process and explore how marketing impacts their chosen field. Credit cannot be earned if taken after MKTG 330. (2 cr.)

Or

BSAD 305: Legal and Regulatory Environment- Legal environment affecting business decision making, including sources of law, court systems, civil procedure, negligence, intellectual property, criminal law standards, agency, partnerships, corporations and securities regulation, trade regulation, administrative law, and insurance law. Pre-req. Completion of 54 credits. (2 cr.)

Or

ACCT 201: Introduction to Accounting: An introduction to accounting applied to business organizations. Emphasis is on the uses of accounting information in decision-making by internal and external users. Eligible for MATH 104 or above. (3 cr.)

Or

CJ 241: Audio and Video Production Process: Strategies for communicating messages and ideas via the radio and television media; introduction to basic radio and television production equipment, techniques, and vocabulary. Pre-Req. Completion of University Writing Requirement. (3 cr.)

Or

MATH 307: Mathematics and Music: Using mathematics to understand, appreciate, and create music. Free audio processing software will be emphasized. Pre-Req. MATH 114 (or equivalent) or consent of instructor. (3 cr.)
MATH 313: Digital Signal Processing: Fundamentals of digital signal processing. Fourier series, Fourier transforms and computerized Fourier transforms (FFTs) are described and applied to the analysis of digitized audio and digitized images. Pre-Req. MATH 215 or consent of instructor. (3 cr.)

MUSI 102: Fundamentals of Music-Introduction to musical skills and notation: reading and notating simple music; singing; playing melodies, chords, and scales on recorder and piano; basics of pitch, rhythm, timbre, form and texture. (2 cr.)

MUSI 150: Beginning Composition: Introduction to principles of music composition with an emphasis on recent art music. Composition and performance of student works for one to five players. Pre Req 141 and 142. (2 cr.)

MUSI 225: Global Traditions of Music: Introduction to the sound and concepts of diverse musical cultures from around the world, examining broad historical, cultural, and social contexts of music. Draws on folk, popular, traditional and art music genres. No prior knowledge of music assumed. No credit toward music major programs. (3 cr.)

MUSI 325: Orchestration: Range, transposition, playing characteristics and practical use of the instruments. Pre-req MUSI 246. (2 cr.)

PHYS 308: Science of Musical Sound: Physical concepts related to production of tones and speech. Application to musical instruments and auditorium acoustics, with experimental demonstrations of vibrational phenomena and electronic sound analysis and synthesis. No prior physics or university mathematics assumed. (3 cr.)

THEA 153 or 353: Sound Design Practicum: A practical learning experience of the production area of a theatrical shop. (1 cr.)

THEA 221: Introduction to Design: Introduction to all elements of design culminating in a theoretical project across all major design disciplines. Pre-Req THEA 121. (3 cr.)

A maximum of 3 credits from the certificate can count to the major.