

MUSIC TECHNOLOGY - CERTIFICATE

The College of Music offers a certificate in music technology which requires a total of 18 credits to complete.

The curriculum consists of a variety of courses designed to provide a strong background in using technology to compose and produce music. The courses range from an introductory survey of music software and hardware to in depth studies of DSP, synthesis, algorithmic composition, recording and post-production techniques, film scoring, and many other topics. The software used in many of the classes includes Logic Pro, ProTools, Ableton Live, Finale, Lilypond, MAX, PD, SuperCollider, CSound, Final Cut Pro, Audacity, SoundHack and Spear.

For more information, contact John Drumheller at drumhell@colorado.edu.

Requirements

This certificate requires 18 credit hours, including five music technology courses.

The certificate program is available to all undergraduates in good standing with the university with a minimum GPA of 2.00. Music majors should enroll under the MUSC heading and non-majors should use the MUEL heading. For those courses that do not have an MUEL prefix, non-majors will need instructor permission to enroll in the class.

To qualify for the certificate, the 2061 introductory course must be successfully completed or in-progress.

Code	Title	Credit Hours
Music Technology		12
MUSC/MUEL 2061	Introduction to Music Technology	
MUSC 2081	Prepared for the Soundcheck	
MUSC 2091	Recording Techniques	
MUSC 4111	Composing at the Computer	
MUSC/MUEL 4121	Topics in Music Technology ¹	
Electives		6
ARSC 4040	Arts and Sciences Special Topics	
ATLS 3519	Special Topics in Creative Technology and Design	
ATLS 4519	Advanced Special Topics in Creative Technology & Design	
CINE 3603		
CMDP 3840	Sound Practices	
CMDP 4870	Sound and Technology	
CMDP 4900	Media Practices Capstone	
CSCI 1300	Computer Science 1: Starting Computing	
CSCI 2400	Computer Systems	
ECEN 3010	Circuits and Electronics for Mechanical Engineers	
JRNL 3614	Audio Storytelling and Podcasting	
MUSC/MUEL 4121	Topics in Music Technology ¹	
MUSC 4191	Advanced Recording	
PHYS 1230	Light and Color for Nonscientists	

PHYS 1240	Sound and Music	
Total Credit Hours		18

¹ May be repeated up to three times as topics vary.