

# Recording and Audio Engineering Certificate

Certificate Number 90-699-1

## Description:

The Recording and Audio Engineering Certificate is designed for a person seeking skills in the music recording and production industry.

## Certificate Completers Will be Able to:

- Engineer and plan recording sessions and produce a professional level master CD.
- Conduct recording sessions using state of the art equipment and produce a professional level DAT master tape.
- Analyze a musical piece or performance in terms of music theory, physics, style, and notation.
- Manage the sound reinforcement, monitoring, and recording aspects of a live performance.
- Produce a stereo master recording using MIDI technology.
- Record and master recordings on a variety of computer software applications, convert files to mp3 format and upload mp3 files to the Internet.

## Curriculum

CATALOG #	DESCRIPTION	CREDITS
10-206-102 <i>Offered in: Fall 2008</i>	<b>Audio Engineering 1</b> ...apply the basics of music theory and physics to actual recording studio situations with state-of-the-art equipment to produce a professional CD master recording.	3
10-206-103 <i>Offered in: Spring 2009</i>	<b>Audio Engineering 2</b> ...hands-on studio and live recording course covering advanced microphone techniques detailing the entire process of CD production from pre-production to internet marketing.	3
10-206-100 <i>Offered in: Fall 2008</i>	<b>Digital Audio Overview</b> ...concept of analog to audio conversion, processing sound in digital domain, MIDI music production, CD audio production, video soundtracks, enhanced podcast audio, basic of time code and format conversion.	3
10-111-103 <i>Offered in: Fall 2008 Spring 2009</i>	<b>Graphic Workstations</b> ...explore the Macintosh Operating System and applications including iPhoto, iTunes, iMovie, GarageBand, FontBook, Sherlock, iCal, AddressBook and Dashboard. Learn to navigate the Mac Operating System and manage files and folders.	1
10-206-101 <i>Offered in: Spring 2009</i>	<b>Soundtracks and Music</b> ...software applications for sampling, synthesizing, analog to digital conversion, mixing and mastering for MP3's, RSS feeds, podcasts, CD's and video soundtracks.	3

*Certificate Total*    **13**

**For more information, please contact:** The Business & Information Technology Division, (920) 498-5435 or (800) 422-NWTC, extension 5435, or contact Donna Meves, Flexible Learning Manager, (920) 498-6872 or (920) 498-5431, donna.meves@nwtc.edu