

Music industry studies

**MUSIC INDUSTRY STUDIES – MUSX**

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Arts and Communication Division

**Possible career opportunities**

Career options include: conductor, arranger, film scorer/composer, music business/manager, music editor, music supervisor/director, songwriter, transcriber, editor (print music publishing), choir director, midi engineering, recording engineer, studio director or manager, sound designer, sound technician, and tour coordinator. Many careers require more than two years of study.

**Associate in science degree**

**Audio visual technology**

Students completing the program will be able to...

- A. analyze and describe the science and technology for basic audio, visual, and audiovisual systems integration.
- B. set up and test an audio, video, and audiovisual network.
- C. describe and explain the components of sound and hearing, and vision and light, as they pertain to human perception and venue limitations.
- D. display proper customer service and professional behavior.

The audiovisual technician associate in science degree is designed to prepare students for the Certified Technology Specialist (CTS) certification exam administered by AVIXA International and entry-level jobs in the audiovisual industry. Audiovisual (AV) technicians set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. AV systems facilitate essential communications and often require connectivity with various types of networks, requiring AV technicians to work with information technology (IT) teams to set up and maintain that connectivity. This aspect of audiovisual technology is evolving, influencing industry demand. Degree-seeking students complete general education requirements that help students “think and communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding”. (Title 5, section 55061)

To earn an associate in science degree in audio visual technology, students must complete each course used to meet a major requirement with a “C” grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

<i>required courses:</i>	<i>units</i>
MUSX-100 AV Essentials: Systems and Analysis.....	3
MUSX-101 AV Essentials: Management and Solutions.....	3
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
FTVE-120 Introduction to TV Studio Production.....	3
FTVE-160 Introduction to Film Production.....	3
CNT-103 Voice, Video and Network Cabling.....	2

<i>plus at least 2 units from:</i>	
MUSX-296 Internship in Occupational Work Experience Education in MUSX.....	2-4
<b>total minimum units for the major</b>	<b>22</b>

**Associate in arts degree**

**Commercial music - Media composition**

Students completing this program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- D. demonstrate practical musical literacy, both theoretical and historical.
- E. mix live performances in a variety of genres.
- F. create a portfolio of original compositions for various ensembles/media.

The commercial music – media composition associate in art degree is composed of core music and technology courses that provide both a conceptual foundation in music theory and a technical foundation in a digital audio workstation to record, sequence, and mix music. Graduates of the commercial music – media composition program are prepared for many facets of the music and entertainment industries. Students create a portfolio of diverse compositions that demonstrate competency for such careers as film composer, music editor, film arranger, orchestrator, and more. Graduates can also transfer to four-year universities to prepare for careers at major and independent record labels, motion picture studios, music production companies, music publishing companies, and music libraries.

To earn an associate in art degree, students must complete each course used to meet a major requirement with a “C” grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

<i>required courses:</i>	<i>units</i>
MUSIC-122 Theory and Musicianship I.....	4
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools.....	3
MUSX-181 Introduction to the Music Industry.....	3
MUSX-182 Songwriting I.....	3

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*plus at least 14 units from::*

MUSIC-121	Introduction to Music Composition .....	3
MUSIC-123	Theory and Musicianship II.....	4
MUSIC-127	Jazz Theory and Improvisation.....	2
MUSIC-129	Counterpoint .....	3
MUSIC-150	Beginning Piano I .....	1
MUSIC-176	String Ensemble.....	1
MUSIC-221	Advanced Music Composition.....	3
MUSX-178	Music and Sound for Visual Media.....	3
MUSX-221	Orchestration and Arranging for Digital Instruments.....	3
<b>total minimum units for the major</b>		<b>36</b>

*recommended GE elective (DVC GE Area III)*

MUSX-110	History of Electronic Music .....	3
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**Associate in arts degree  
Commercial music - Performance**

Students completing this program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- D. demonstrate practical musical literacy, both theoretical and historical.
- E. mix live performances in a variety of genres.
- F. utilize basic ensemble skills by performing in an ensemble.

The commercial music – performance associate in art degree consists of comprehensive curriculum that provides students with a solid foundation in music theory, composition, performance, technology, production, and business. This degree offers a unique blend of the art of music and the discipline of business. Students can participate in traditional music courses such as individual applied music lessons and performing ensembles, while immersing themselves in music technology. Graduates of the commercial music – performance degree program may move into all facets of the music and entertainment industries. Graduates may also transfer to four-year universities, which can prepare them for careers at major and independent record labels, motion picture studios, music production companies, music publishing companies, music libraries, artist management companies, music promotion companies, or as performing artists.

To earn an associate in art degree, students must complete each course used to meet a major requirement with a “C” grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

*required courses:*

	<i>units</i>	
MUSIC-122	Theory and Musicianship I.....	4
MUSX-120	Live Sound.....	3
MUSX-124	Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172	Introduction to Electronic Music and MIDI .....	3
MUSX-174	Introduction to Music Technology and Pro Tools .....	3
MUSX-181	Introduction to the Music Industry .....	3
MUSX-182	Songwriting I.....	3

*plus at least 14 units from::*

MUSIC-100	Applied Music.....	1
MUSIC-103	Guitar Ensemble.....	1
MUSIC-108	Rock Theory and Improvisation I.....	1
MUSIC-109	Live Music Production and Stagecraft I .....	1
MUSIC-127	Jazz Theory and Improvisation I.....	2
MUSIC-128	Jazz Theory and Improvisation II.....	2
MUSIC-135	Vocal Jazz Ensemble .....	1
MUSIC-136	Jazz Ensemble .....	1
MUSIC-137	Jazz Combos .....	1
MUSIC-150	Beginning Piano I .....	1
MUSIC-151	Beginning Piano II .....	1
MUSIC-152	Jazz Piano .....	1
MUSIC-160	Beginning Guitar I .....	1
MUSIC-162	Concert Choir.....	1
MUSIC-166	Chamber Singers .....	1
MUSIC-168	Percussion Ensemble.....	1
MUSIC-170	Applied Voice Training.....	1
MUSIC-171	Jazz and Popular Voice .....	1
MUSIC-179	Intermediate Applied Voice .....	1
MUSIC-208	Rock Theory and Improvisation II.....	1
MUSIC-209	Live Music Production and Stagecraft II .....	1
MUSIC-250	Intermediate Piano I .....	1
MUSIC-251	Intermediate Piano II .....	1
MUSIC-256	Pedagogy for Studio Music Teachers.....	1
MUSX-183	Artist Development in the Music Industry .....	3
MUSX-282	Songwriting II .....	3
<b>total minimum units for the major</b>		<b>36</b>

*recommended GE elective (DVC GE Area III)*

MUSIC-114	World Music .....	3
MUSIC-117	History of Rock and R&B .....	3
MUSIC-118	History of Jazz.....	3
MUSIC-119	The History and Culture of Hip Hop Music.....	3
MUSX-110	History of Electronic Music.....	3

**Associate in arts degree  
Commercial music - Technology and production**

Students completing this program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- D. demonstrate practical musical literacy, both theoretical and historical.
- E. mix live performances in a variety of genres.
- F. create, arrange, and produce advanced recorded music projects utilizing a digital audio workstation that is MIDI capable.

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The commercial music – technology and production associate in art degree begins with a set of core music and technology courses to provide both the conceptual foundation in music theory and the technical foundation in a digital audio workstation to record, sequence, and mix music. Graduates of the commercial music – technology and production program move into all facets of the music and entertainment industries. Graduates prepare a portfolio of work to demonstrate competencies for work as an AV technician, music engineer, music producer, music editor, film composer, and more. Graduates may also transfer to four-year universities, which can prepare them for successful careers at media venues, major and independent record labels, motion picture studios, music production companies, music publishing companies, and music libraries.

To earn an associate in art degree, students must complete each course used to meet a major requirement with a “C” grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

<i>required courses:</i>	<i>units</i>
MUSIC-122 Theory and Musicianship I.....	4
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools.....	3
MUSX-181 Introduction to the Music Industry.....	3
MUSX-182 Songwriting I.....	3

<i>plus at least 14 units from:</i>	<i>units</i>
MUSIC-117 History of Rock and R&B.....	3
MUSIC-150 Beginning Piano I.....	1
MUSIC-151 Beginning Piano II.....	1
MUSX-100 Audio and Visual Technology.....	3
MUSX-175 Advanced Pro Tools.....	3
MUSX-176 Introduction to Ableton Live.....	3
MUSX-177 Introduction to Logic Pro.....	3

**total minimum units for the major 36**

<i>recommended GE elective (DVC GE Area III)</i>	<i>units</i>
MUSX-110 History of Electronic Music.....	3

**Associate in arts degree**

**Music industry entrepreneurship**

Students completing this program will be able to...

- A. describe the principles of copyrights, publishing, licensing, and royalties as they relate to the music industry.
- B. describe the entrepreneurial process including how to develop successful business ideas and turn them into new entrepreneurial ventures.
- C. create, arrange, and produce recorded music projects.
- D. practice team cooperation and creative thinking skills in performance of audio visual (AV) installations.

DVC’s Music Industry Entrepreneurship degree begins with a well-rounded set of music technology and industry courses to provide the technical foundation to produce and present music. Students are required to complete electives in small business, entrepreneurship, and marketing. The degree also allows each student to steer their path towards their interest area(s) in music industry studies. Graduates of the Music Industry Entrepreneurship program can move into all facets of the music and entertainment industries.

Graduates may also transfer to four-year universities, which can prepare them for successful careers in the music industry. Students who intend to transfer to a four-year baccalaureate program should consult with a counselor regarding specific major preparation requirements at the transfer institution of their choice. Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU GE).

Students must complete each of the courses required for the major with a “C” grade or higher. Certain courses may satisfy both major and general education requirements; however, the units are only counted once.

<i>required courses:</i>	<i>units</i>
MUSX-100 Audio and Visual Technology.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools.....	3
MUSX-181 Introduction to the Music Industry.....	3

<i>plus at least 3 units from:</i>	<i>units</i>
BUS-109 Introduction to Business.....	3
BUSMG-191 Small Business Management.....	3
BUSMG-192 Entrepreneurship and Venture Management ...	3

<i>plus at least 3 units from:</i>	<i>units</i>
BUSMK-259 Digital Marketing Fundamentals.....	3
BUSMK-260 Social Media Marketing.....	3

<i>plus at least 6 units from:</i>	<i>units</i>
MUSIC-121 Introduction to Music Composition.....	3
MUSX-101 Audio and Visual Production.....	3
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-125 Advanced Music Production and Multi-Track Recording.....	3
MUSX-173 Advanced Electronic Music.....	3
MUSX-175 Advanced Pro Tools.....	3
MUSX-176 Introduction to Ableton Live.....	3
MUSX-177 Introduction to Logic Pro.....	3
MUSX-178 Music and Sound for Film, Games, and Digital Media.....	3
MUSX-182 Songwriting I.....	3
MUSX-183 Artist Development in the Music Industry.....	3
MUSX-270 Advanced Digital Audio Techniques.....	3
MUSX-282 Songwriting II.....	3
MUSX-296 Internship in Occupational Work Experience Education in MUSX.....	2-4

**total minimum required units 24**

Music industry studies

**Associate in arts degree**

**Music industry studies**

Students completing the program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes that are used in the protection of intellectual property rights.

This associate in arts program prepares students for a career in the music industry. The program has an entrepreneurial focus emphasizing an industry trend requiring artists to be responsible for complete project development. The program is designed to produce well-rounded music industry professionals capable of all aspects of the music production process including recording, marketing, and distribution. The same skill-set also prepares students for careers in specialized areas of the music industry such as digital audio workstation operator, recording engineer, producer, composer, arranger, songwriter, sound designer, artist manager, distributor, and marketing representative.

The DVC music industry studies major is not intended for transfer. Option 1 (DVC General Education) is advised for students who do not intend to transfer. Students may not take a pass/no pass option for major courses. Students who intend to transfer to a four-year baccalaureate program should consult with a counselor regarding specific major preparation requirements at the transfer institution of their choice. Students who intend to transfer are advised to select General Education Option 2 (IGETC) or Option 3 (CSU GE).

Students must complete each of the courses required for the major with a "C" grade or higher. Certain courses may satisfy both major and general education requirements; however, the units are only counted once.

<i>major requirements:</i>		<i>units</i>
MUSX-172	Introduction to Electronic Music and MIDI.....	3
MUSX-173	Advanced Electronic Music .....	3
MUSX-174	Introduction to Music Technology and Pro Tools.....	3
MUSX-175	Advanced Pro Tools .....	3
MUSX-181	Introduction to the Music Industry.....	3

<i>plus at least 9 units from:</i>		
MUSIC-121	Introduction to Music Composition .....	3
MUSX-100	Audio and Visual Technology.....	3
MUSX-101	Audio and Visual Production .....	3
MUSX-110	History of Electronic Music.....	3
MUSX-120	Live Sound.....	3
MUSX-124	Introduction to Music Production and Multi-Track Recording.....	3
MUSX-125	Advanced Music Production and Multi-Track Recording.....	3
MUSX-176	Introduction to Ableton Live.....	3
MUSX-177	Introduction to Logic Pro .....	3
MUSX-178	Music and Sound for Film, Games, and Digital Media .....	3
MUSX-182	Songwriting I .....	3
MUSX-183	Artist Development in the Music Industry .....	3
MUSX-221	Orchestration and Arranging for Digital Instruments.....	3
MUSX-270	Advanced Digital Audio Techniques.....	3

MUSX-282	Songwriting II .....	3
MUSX-296	Internship in Occupational Work Experience Education in MUSX .....	2-4
<b>total minimum units for the major</b>		<b>24</b>

**Associate in science degree**

**Audio visual technology**

Students completing this program will be able to...

- A. analyze and describe the science and technology for basic audio, visual, and audiovisual systems integration.
- B. set up and test an audio, video, and audiovisual network.
- C. describe and explain the components of sound and hearing, and vision and light as they pertain to human perception and venue limitations.
- D. display proper customer service and professional behavior.

The audiovisual technician associate in science degree is designed to prepare students for the Certified Technology Specialist (CTS) certification exam administered by AVIXA International and entry-level jobs in the audiovisual industry. Audiovisual (AV) technicians set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. AV systems facilitate essential communications and often require connectivity with various types of networks, requiring AV technicians to work with information technology teams to set up and maintain that connectivity. This aspect of audiovisual technology is evolving, influencing industry demand. Degree-seeking students complete general education requirements that help students "think and communicate clearly and effectively both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding". (Title 5, section 55061)

To earn an associate in science degree in audio visual technology, students must complete each course used to meet a major requirement with a "C" grade or higher and complete all general education requirements as listed in the catalog. Certain courses may satisfy both major and general education requirements; however the units are only counted once.

<i>required courses:</i>		<i>units</i>
MUSX-100	Audio and Visual Technology.....	3
MUSX-101	Audio and Visual Production .....	3
MUSX-120	Live Sound.....	3
MUSX-124	Introduction to Music Production and Multi-Track Recording.....	3
FTVE-120	Introduction to TV Studio Production.....	3
FTVE-160	Introduction to Film Production .....	3
CNT-103	Voice, Video, and Network Cabling .....	2

<i>plus at least 2 units from:</i>		
MUSX-296	Internship in Occupational Work Experience Education in MUSX .....	2-4
<b>total minimum required units</b>		<b>22</b>

### Certificate of achievement

#### Audio visual technology

Students completing this program will be able to...

- A. analyze and describe the science and technology for basic audio, visual, and audiovisual systems integration.
- B. set up and test an audio, video, and audiovisual network.
- C. describe and explain the components of sound and hearing, and vision and light, as they pertain to human perception and venue limitations.
- D. display proper customer service and professional behavior.

The audiovisual technician certificate of achievement is designed to prepare students for the Certified Technology Specialist (CTS) certification exam administered by AVIXA International and entry-level jobs in the audiovisual industry. Audiovisual (AV) technicians set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. AV systems facilitate essential communications and often require connectivity with various types of networks, requiring AV technicians to work with information technology (IT) teams to set up and maintain that connectivity. This aspect of audiovisual technology is evolving and is influencing changes in the industry.

To earn the certificate of achievement, students must complete each of the required courses with a "C" grade or higher.

<i>required courses:</i>	<i>units</i>
MUSX-100 Audio and Visual Technology.....	3
MUSX-101 Audio and Visual Production .....	3
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
FTVE-120 Introduction to TV Studio Production.....	3
FTVE-160 Introduction to Film Production .....	3
CNT-103 Voice, Video and Network Cabling .....	2

*plus at least 2 units from:*

MUSX-296 Internship in Occupational Work Experience Education in MUSX .....	2-4
<b>total minimum required units</b>	<b>22</b>

### Certificate of achievement

#### Commercial music - Media composition

Students completing this program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- D. demonstrate practical musical literacy, both theoretical and historical.
- E. mix live performances in a variety of genres.
- F. create a portfolio of original compositions for various ensembles/media.

The commercial music – media composition certificate of achievement is composed of core music and technology courses that provide both a conceptual foundation in music theory and a technical foundation in a digital audio workstation to record, sequence, and mix music. Graduates of the commercial music – media composition program are prepared for many facets of the music and entertainment industries. Students create a portfolio of diverse compositions that demonstrate competency for such careers as film composer, music editor, film arranger, orchestrator, and more.

To earn a certificate of achievement, students must complete each course used to meet a certificate requirement with a "C" grade or higher.

<i>required courses:</i>	<i>units</i>
MUSIC-122 Theory and Musicianship I .....	4
MUSX-120 Live Sound .....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools .....	3
MUSX-181 Introduction to the Music Industry .....	3
MUSX-182 Songwriting I.....	3

*plus at least 14 units from::*

MUSIC-121 Introduction to Music Composition .....	3
MUSIC-123 Theory and Musicianship II.....	4
MUSIC-127 Jazz Theory and Improvisation I.....	2
MUSIC-129 Counterpoint .....	3
MUSIC-150 Beginning Piano I .....	1
MUSIC-176 String Ensemble.....	1
MUSIC-221 Advanced Music Composition.....	3
MUSX-178 Music and Sound for Visual Media.....	3
MUSX-221 Orchestration and Arranging for Digital Instruments .....	3

**total minimum required units ..... 36**

### Certificate of achievement

#### Commercial music - Performance

Students completing this program will be able to...

- A. produce recorded music projects.
- B. demonstrate professional behaviors required in the music industry.
- C. apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- D. demonstrate practical musical literacy, both theoretical and historical.
- E. mix live performances in a variety of genres.
- F. utilize basic ensemble skills by performing in an ensemble.

The commercial music – performance certificate of achievement consists of comprehensive curriculum that provides students with a solid foundation in music theory, composition, performance, technology, production, and business. This program offers a unique blend of the art of music and the discipline of business. Students can participate in traditional music courses such as individual applied music lessons and performing ensembles, while immersing themselves in music technology. Graduates of the commercial music – performance may move into all facets of the music and entertainment industries.

# DIABLO VALLEY COLLEGE CATALOG 2022-2023

any updates to this document can be found in the addendum at [www.dvc.edu/communication/catalog](http://www.dvc.edu/communication/catalog)

To earn the certificate of achievement, students must complete each course used to meet a certificate requirement with a "C" grade or higher.

<i>required courses:</i>	<i>units</i>
MUSIC-122 Theory and Musicianship I.....	4
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools .....	3
MUSX-181 Introduction to the Music Industry .....	3
MUSX-182 Songwriting I.....	3

<i>plus at least 14 units from::</i>	<i>units</i>
MUSIC-100 Applied Music.....	1
MUSIC-103 Guitar Ensemble.....	1
MUSIC-108 Rock Theory and Improvisation I.....	1
MUSIC-109 Live Music Production and Stagecraft I .....	1
MUSIC-127 Jazz Theory and Improvisation I.....	2
MUSIC-128 Jazz Theory and Improvisation II.....	2
MUSIC-135 Vocal Jazz Ensemble .....	1
MUSIC-136 Jazz Ensemble .....	1
MUSIC-137 Jazz Combos .....	1
MUSIC-150 Beginning Piano I .....	1
MUSIC-151 Beginning Piano II .....	1
MUSIC-152 Jazz Piano .....	1
MUSIC-160 Beginning Guitar I .....	1
MUSIC-162 Concert Choir.....	1
MUSIC-166 Chamber Singers .....	1
MUSIC-168 Percussion Ensemble.....	1
MUSIC-170 Applied Voice Training.....	1
MUSIC-171 Jazz and Popular Voice.....	1
MUSIC-179 Intermediate Applied Voice.....	1
MUSIC-208 Rock Theory and Improvisation II.....	1
MUSIC-209 Live Music Production and Stagecraft II .....	1
MUSIC-250 Intermediate Piano I .....	1
MUSIC-251 Intermediate Piano II .....	1
MUSIC-256 Pedagogy for Studio Music Teachers.....	1
MUSX-183 Artist Development in the Music Industry .....	3
MUSX-282 Songwriting II .....	3
<b>total minimum required units</b>	<b>36</b>

## Certificate of achievement Commercial music - Technology and production

Students completing this program will be able to...

- produce recorded music projects.
- demonstrate professional behaviors required in the music industry.
- apply vocabulary and demonstrate processes used in the protection of intellectual property rights.
- demonstrate practical musical literacy, both theoretical and historical.
- mix live performances in a variety of genres.
- create, arrange, and produce advanced recorded music projects utilizing a digital audio workstation that is MIDI capable.

The commercial music – technology and production certificate of achievement begins with a set of core music and technology courses to provide both the conceptual foundation in music theory and the technical foundation in a digital audio workstation to record, sequence, and mix music. Graduates of the commercial music – technology and production move into all facets of the music and entertainment industries. Graduates prepare a portfolio of work to demonstrate competencies for work as an AV technician, music engineer, music producer, music editor, film composer, and more.

To earn a certificate of achievement, students must complete each course used to meet a certificate requirement with a "C" grade or higher.

<i>required courses:</i>	<i>units</i>
MUSIC-122 Theory and Musicianship I.....	4
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-174 Introduction to Music Technology and Pro Tools .....	3
MUSX-181 Introduction to the Music Industry .....	3
MUSX-182 Songwriting I.....	3

<i>plus at least 14 units from::</i>	<i>units</i>
MUSIC -117 History of Rock and R&B .....	3
MUSIC-150 Beginning Piano I .....	1
MUSIC-151 Beginning Piano II .....	1
MUSX-100 Audio and Visual Technology.....	3
MUSX-175 Advanced Pro Tools .....	3
MUSX-176 Introduction to Ableton Live.....	3
MUSX-177 Introduction to Logic Pro .....	3

**total minimum required units 36**

## Certificate of achievement Music industry entrepreneurship

Students completing this program will be able to...

- describe the principles of copyrights, publishing, licensing, and royalties as they relate to the music industry.
- describe the entrepreneurial process including how to develop successful business ideas and turn them into new entrepreneurial ventures.
- create, arrange, and produce recorded music projects.
- practice team cooperation and creative thinking skills in performance of audio visual (AV) installations.

DVC's Music Industry Entrepreneurship certificate begins with a well-rounded set of music technology and industry courses to provide the technical foundation to produce and present music. Students are required to complete electives in small business, entrepreneurship, and marketing. The certificate also allows each student to steer their path towards their interest area(s) in music industry studies. Graduates of the Music Industry Entrepreneurship program can move into all facets of the music and entertainment industries.

To earn a certificate of achievement, students must complete each course used to meet a major requirement with a "C" grade or higher.

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<i>required courses:</i>	<i>units</i>
MUSX-100 Audio and Visual Technology .....	3
MUSX-172 Introduction to Electronic Music and MIDI .....	3
MUSX-174 Introduction to Music Technology and Pro Tools.....	3
MUSX-181 Introduction to the Music Industry .....	3
<i>plus at least 3 units from:</i>	
BUS-109 Introduction to Business .....	3
BUSMG-191 Small Business Management .....	3
BUSMG-192 Entrepreneurship and Venture Management ...	3
<i>plus at least 3 units from:</i>	
BUSMK-259 Digital Marketing Fundamentals .....	3
BUSMK-260 Social Media Marketing .....	3
<i>plus at least 6 units from:</i>	
MUSIC-121 Introduction to Music Composition.....	3
MUSX-101 Audio and Visual Production.....	3
MUSX-120 Live Sound .....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording .....	3
MUSX-125 Advanced Music Production and Multi-Track Recording .....	3
MUSX-173 Advanced Electronic Music .....	3
MUSX-175 Advanced Pro Tools.....	3
MUSX-176 Introduction to Ableton Live.....	3
MUSX-177 Introduction to Logic Pro.....	3
MUSX-178 Music and Sound for Film, Games, and Digital Media.....	3
MUSX-182 Songwriting I.....	3
MUSX-183 Artist Development in the Music Industry .....	3
MUSX-270 Advanced Digital Audio Techniques .....	3
MUSX-282 Songwriting II.....	3
MUSX-296 Internship in Occupational Work Experience Education in MUSX.....	2-4
<b>total minimum required units.....</b>	<b>24</b>

<i>required courses:</i>	<i>units</i>
MUSX-172 Introduction to Electronic Music and MIDI.....	3
MUSX-173 Advanced Electronic Music .....	3
MUSX-174 Introduction to Music Technology and Pro Tools.....	3
MUSX-175 Advanced Pro Tools .....	3
MUSX-181 Introduction to the Music Industry.....	3
<i>plus at least 9 units from:</i>	
MUSIC-121 Introduction to Music Composition .....	3
MUSX-100 Audio and Visual Technology.....	3
MUSX-101 Audio and Visual Production .....	3
MUSX-110 History of Electronic Music.....	3
MUSX-120 Live Sound.....	3
MUSX-124 Introduction to Music Production and Multi-Track Recording.....	3
MUSX-125 Advanced Music Production and Multi-Track Recording .....	3
MUSX-176 Introduction to Ableton Live.....	3
MUSX-177 Introduction to Logic Pro .....	3
MUSX-178 Music and Sound for Film, Games, and Media.....	3
MUSX-182 Songwriting I .....	3
MUSX-183 Artist Development in the Music Industry .....	3
MUSX-221 Orchestration and Arranging for Digital Instruments.....	3
MUSX-270 Advanced Digital Audio Techniques.....	3
MUSX-282 Songwriting II .....	3
MUSX-296 Internship in Occupational Work Experience Education in MUSX .....	2-4
<b>total minimum required units</b>	<b>24</b>

## Certificate of achievement Music industry studies

Students completing the program will be able to...

- produce recorded music projects.
- demonstrate professional behaviors required in the music industry.
- apply vocabulary and demonstrate processes that are used in the protection of intellectual property rights.

This certificate program prepares students for a career in the music industry. The program has an entrepreneurial focus emphasizing an industry trend requiring artists to be responsible for complete project development. The program is designed to produce well-rounded music industry professionals capable of all aspects of the music production process including recording, marketing, and distribution. The same skill-set also prepares students for careers in specialized areas of the music industry such as digital audio workstation operator, recording engineer, producer, composer, arranger, songwriter, sound designer, artist manager, distributor, and marketing representative.

To earn a certificate of achievement, students must complete the required courses with a "C" grade or higher. Required courses are available in the evening and during the day.

### MUSX-100 Audio and Visual Technology

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- Note: MUSX-100 and 101 may be taken in any order.

This course, along with MUSX-101, present the essentials for AV (Audio Visual) technology. Topics will include the fundamentals of analog signals, digital signals, audio systems and preparation for AV technician certification. CSU

### MUSX-101 Audio and Visual Production

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- Note: MUSX-100 and 101 may be taken in any order.

This course, along with MUSX-100, present the essentials for AV (Audio Visual) technology. Topics will include networks, signal management, control systems, electrical systems, and radio waves. This course prepares students for AV technician certification. CSU

**MUSX-110 History of Electronic Music**

3 units SC

- *IGETC: 3A; CSU GE: C1; DVC GE: III*
- *54 hours lecture/18 hours laboratory by arrangement per term*

This course presents an overview of the history of electronic music from the late 19th century through the 1960s. Topics include electronic musical instruments, electronic musical technology, new musical styles, the introduction of the synthesizer, and the rise of mainstream electronic music. In addition, students will analyze historically significant works from the experimental art music of the mid-20th century through the popular forms of the 1960s. CSU, UC

**MUSX-120 Live Sound**

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*

This course is an overview of live concert sound reinforcement. Topics include basic sound system theory and its application. It also covers individual sound system component operation, including microphones, mixers, effects, power amplifiers, and speaker systems. This course offers opportunities for hands-on experiences in troubleshooting, sound checking, and mixing sound for live performance applications. C-ID CMUS 120X, CSU

**MUSX-124 Introduction to Music Production and Multi-Track Recording**

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*

This course is designed to give the music student a working knowledge of the principles and techniques of multi-track recording. This course will explore, analyze and evaluate contemporary music production techniques and apply these techniques to real production and recording situations. Emphasis will be on student involvement with various interrelated roles, including that of studio musician, writer/arranger, producer and sound engineer. C-ID CMUS 130X, CSU

**MUSX-125 Advanced Music Production and Multi-Track Recording**

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*
- *Advisory: MUSX-124 or equivalent*

This course extends basic practical music production and multi-track recording skills to include complex projects, integration of acoustic and digital recording elements, and use of current computer software in the mixing process. CSU

**MUSX-150 Topics in Music Industry Studies**

.3-4 units SC

- *Variable hours*

A supplemental course in music industry studies designed to provide a study of current concepts and problems in music industry studies. Specific topics to be announced in the schedule of classes. CSU

**MUSX-172 Introduction to Electronic Music and MIDI**

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This is an introductory course that provides the foundational skills necessary for the creation of electronic music on a digital audio workstation capable of utilizing MIDI (Musical Instrument Digital Interface). Students will gain direct hands-on experience with MIDI-capable synthesizers, tone generators and samplers, digital signal processors, and computer-based music sequencing software. C-ID CMUS 110X, CSU

**MUSX-173 Advanced Electronic Music**

3 units SC

- *36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term*
- *Advisory: MUSX-172 or equivalent*
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This advanced course builds upon the knowledge and technical skills developed in MUSX-172 Introduction to Electronic Music and Musical Instrument Digital Interface (MIDI). The integration of MIDI and digital audio recording environments will be studied as well as the development of advanced post production skills needed for employment in the music recording industry. Topics will include digital audio recording and editing, effects processing, mixing, and digital audio file management and conversion, sampling, synthesis, and advanced MIDI sequencing. CSU



**MUSX-174 Introduction to Music Technology and Pro Tools**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. Topics include principals and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms. Foundational skills to function within the Pro Tools audio production environment are also covered. C-ID: CMUS 100X, CSU

**MUSX-175 Advanced Pro Tools**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- *Advisory: MUSX-174 or equivalent*
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This is an advanced course designed for students who are preparing for employment in the music recording industry. Students will work on special production-oriented projects utilizing a Pro Tools capable digital audio workstation (DAW). Working independently and in teams, students will use the recording production tools that they have developed in prior semesters. Topics include acoustic recording, field recording, sound design, sound for picture, control surfaces, use of external signal processors, surround sound, and advanced mixing techniques. CSU

**MUSX-176 Introduction to Ableton Live**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term

This course presents skills used within the music production software Ableton Live. Topics will include music sequencing, digital audio recording, software synthesis, sampling, Musical Instrument Digital Interface (MIDI), MIDI mapping, virtual effects, automation, signal flow, and mixing. CSU

**MUSX-177 Introduction to Logic Pro**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This course presents skills used within the music production software Logic Pro X. Topics include music sequencing, digital audio recording, software synthesis, sampling, Musical Instrument Digital Interface (MIDI), MIDI mapping, virtual effects, automation, signal flow and mixing. CSU

**MUSX-178 Music and Sound for Film, Games, and Digital Media**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- *Advisory: MUSIC-174 or MUSX-174 or equivalent*
- *Note: Students may petition to repeat this course when software or hardware is changed. Only the first course completed will be applied toward a degree or certificate requirement. Units for both courses will apply towards the 60 units required for the degree.*

This class examines the topic of sound for picture through a combination of lecture and hands-on experience with a Digital Audio Workstation that is video capable. Students will develop the skill set needed to create soundtracks for film, television, commercials, and video games. Students will learn the three layers of sound for picture: dialog, music, and sound effects including Foley and ambiance. Each of these layers will be discussed and worked on in depth through lab projects. CSU

**MUSX-181 Introduction to the Music Industry**

3 units SC

- 54 hours lecture per term
- *Advisory: College-level reading and writing are expected.*

This course presents an introduction to the music industry, including its evolution, corporate structure, and legal practices. Topics include record production, music publishing, marketing, use of music in film, television, and advertising, touring, development and implementation of business plan, and career strategies. C-ID: CMUS 140X, CSU

**MUSX-182 Songwriting I**

3 units SC

- 54 hours lecture per term

In this course, students will study the process of songwriting. Songs will be analyzed in terms of chord structure, form, rhythm, melody, harmony, and lyrics. Original compositions and performances will be expected from all students. C-ID CMUS 150X, CSU

**MUSX-183 Artist Development in the Music Industry**

3 units SC

- 54 hours lecture per term
- Advisory: College-level reading and writing are expected.

This course presents the skills and techniques utilized by music industry professionals responsible for the identification, development, and promotion of successful artists. Tools such as identifying talent, building an artist development team, networking, and structuring a cohesive development plan are explored. Career options, such as artist management, Artists and Repertoire (A&R), sync and licensing, public relations, and social network promotions will be reviewed. This course is also designed to assist the do it yourself (DIY) musician in developing the skills and techniques used in self-management. CSU

**MUSX-221 Orchestration and Arranging for Digital Instruments**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- Advisory: MUSIC-121 or equivalent, MUSIC-122 or equivalent

This course presents the study of production concepts and arranging techniques for a variety of digital instrument sounds. Students will participate in listening, reading, discussion, and arranging exercises to help develop professional-sounding digital arrangements. CSU

**MUSX-270 Advanced Digital Audio Techniques**

3 units SC

- 36 hours lecture/18 hours laboratory/36 hours laboratory by arrangement per term
- Advisory: MUSX-174, MUSX-175, MUSX-176, MUSX-177 Or Equiv.

This course provides students the opportunity to learn advanced digital audio techniques utilizing various digital audio software. Topics will include audio manipulation, digital signal processing, mixing, vocal effect chains, programming drums, drum mixing, sampling, loops, and advanced MIDI. CSU

**MUSX-282 Songwriting II**

3 units SC

- 54 hours lecture per term
- Advisory: MUSX-182 or equivalent

This course presents the continued study of the structural, rhythmic, melodic, harmonic, and lyrical components of a song. Original compositions and performances are required of all students. CSU

**MUSX-295 Occupational Work Experience Education in MUSX**

2-4 units SC

- May be repeated eight times
- Variable hours
- Note: In order to enroll in MUSX-295, students must be employed, register for the course, complete an online Employment Form, and participate in an orientation. Incomplete grades are not awarded for this course.

MUSX-295 is supervised employment that extends classroom learning to the job site and relates to the student's chosen field of study or area of career interest. Under the supervision of a college instructor, students will engage in on-the-job and other learning experiences that contribute to their employability skills and occupational or educational goals. Each unit represents five hours of work per week or 75 hours work per term. Students may earn up to a total of 16 in any combination of WRKX courses. Repetition allowed per Title 5, Section 55253. CSU

**MUSX-296 Internship in Occupational Work Experience Education in MUSX**

2-4 units SC

- May be repeated eight times
- Variable hours
- Note: In order to enroll in the MUSX-296 course, students must be interning or volunteering, register for the course, complete an online Employment Form, and participate in an orientation. Incomplete grades are not awarded for this course.

MUSX-296 is a supervised internship in a skilled or professional level assignment in the student's major field of study or area of career interest. Under the supervision of a college instructor, students will engage in on-the-job and other learning experiences that contribute to their employability skills and occupational or educational goals. Internships may be paid, non-paid, or some partial compensation provided. Each unit represents five hours of paid work or four hours of unpaid work per week or 75 hours of paid work or 60 hours of unpaid work per term. Students may earn up to a total of 16 units in any combination of WRKX courses. Repetition allowed per Title 5, Section 55253. CSU