SOUND AND MUSIC TECHNOLOGY

Sound and Music Technology with Specializations in:

- Audio and Music Business Management
- Audio Engineering Technology (Articulated to the B.S.E.C.E.T. degree program)
- Music Production
- Sound Production

Associate in Science Degree (CIP# 1650091300)

The Sound and Music Technology A.S. Degree program prepares students for careers in Sound Production and Audio.

The Audio Engineering Technology specialization prepares students for careers as sound recording engineers, audio electronics specialists, sound post-production engineers, sound designers, re-recording mixers, and audio equipment consultants. In addition, students pursuing this track can continue on to the Bachelor of Science in Electrical and Computer Engineering Technology (B.S.E.C.E.T.) degree at Valencia, in which an Audio and Electroacoustics Systems concentration is offered.

The Music Performance and Sound specialization prepares students for careers as Music Producers and Sound Recording Engineers.

The Sound Technology specialization prepares students for careers as Sound Recording Engineers, Sound Post-production Engineers, Sound Designers, Re-Recording Mixers, Live Sound Engineers, Audio-Visual technicians and systems integrators/installers, and prepares them for the business challenges these largely free-lance occupations present.

Students enrolled in the Music Performance and Sound specialization should contact the Music Department on East Campus for proper Ensemble and Performance placement.

Students are strongly encouraged to consult a Career Program Advisor in the department office for assistance in determining the best education plan for their career goals.

Although scheduling may not always provide for the following progression of courses, students should use the foundation, intermediate, and advanced course sequence as a guide in program planning.

All degree-seeking students must satisfy entry testing requirements and satisfactorily complete all mandatory courses in reading, student success, mathematics, English, and English for Academic Purposes in which the student is placed.

Alternative Ways to Earn Credit

Graduates of specific programs at Orange County Technical Colleges may be eligible to receive college credit for specific courses in this program. You may also be eligible to receive credit toward this degree if you have earned Career Pathways credit. For more information and requirements, go to valenciacollege.edu/asdegrees/credit_octc.cfm (http://valenciacollege.edu/asdegrees/transferagreements.cfm) to view the award of credit options. Eligible students should contact the related academic department and/or Career Program Advisor at Valencia for the award of credit.

Technical Certificates

The Sound and Music A.S. degree also offers the following college credit certificate programs. These certificate programs can put you on the fast-track to reaching your career goals. They are designed to equip you with a specialized skill set for entry-level employment or to upgrade your skills for job advancement. Most can be completed in one year or less, and all of the courses in the certificate programs are embedded in the A.S. degree. Click on the Certificate tab at the top of the page for more information about the course requirements.

- Digital Music Production (12 credits) (CIP# 0650091302)
- Audio Visual Production (15 credits) (CIP# 0650099901)
- Audio Electronics Specialist (24 credits) (CIP# 0615030309)

Start Right

Degree-seeking students enrolling at Valencia for the first time will have a limited range of courses from which to choose for their first 18 college-level credits. Within the first 18 college credit hours, you will be required to take ENC1101 (3 credits), and if applicable, SLS 1122 (3 credits) and a mathematics course appropriate to your selected major (3 credits). The remaining courses will be chosen from the General Education Core Courses in humanities (3 credits), science (3 credits), or social science (3 credits), and/or the introductory courses within the A.S. degree programs. For specific courses see the Foundation Courses on the “Program Requirements” tab. For course sequencing recommendations, see your Career Program Advisor or create an education plan by logging into Atlas, clicking on the LifeMap tab and clicking My Education Plan.

Potential Careers

- Music Producer/Director
- Technical Director
- Sound Mixer/Designer
- Post-Production Mixer/Editor
- Assistant Audio Engineer
- Sound Designer
- Sound Engineer
- Sound Effects/Dialog Editor
- Surround Sound Mixer/Author
- Audio Technician
- Audio-Visual Technician

Salary & Earnings Information

For salary and wage information, visit: www.floridawages.com (http://www.floridawages.com).

Contacts

Future Students
Contact Enrollment Services at enrollment@valenciacollege.edu or call 407-582-1507.

Current Students
Raul Valery, Program Chair, East Campus: 407-582-2882 rvalery@valenciacollege.edu
Kristol Bell, Career Program Advisor, East Campus: 407-582-2097 kbell@valenciacollege.edu
Wendy Hawkinson, Professor, East Campus: 407-582-2633 whawkinson@valenciacollege.edu
Joseph McBride, Sr. Instructional Assistant, East Campus: 407-582-2880
Jmcbride1@valenciacollege.edu

Internship and Workforce Services
If you need assistance with job resources or in locating an internship, please visit: valenciacollege.edu/internship (http://valenciacollege.edu/internship).

Program Requirements

**Foundation Courses**
- ENC 1101 FRESHMAN COMPOSITION I  
- MUM 1620C PSYCHOACOUSTICS AND CRITICAL LISTENING SKILLS
- MUM 1002C FUNDAMENTALS OF SOUND

**Intermediate Courses**
- MUM 2634L THE DIGITAL AUDIO WORKSTATION
- MUS 2360C MIDI ELECTRONIC MUSIC I
- MUM 2600C SOUND RECORDING I
- MUL 1010 MUSIC APPRECIATION

**Advanced Courses**
- MUM 2640C POST PRODUCTION SOUND
- CET 2112C DIGITAL SYSTEMS I

Total Credit Hours 32

Audio Engineering Technology Specialization Electives
- MUT 1011C Introduction to Music Theory
- MAC 1105 College Algebra
- EET 1214C INTRODUCTION TO ENGINEERING TECHNOLOGY

Select one of the following:
- EET 1015C FUNDAMENTALS OF DC CIRCUITS
- EET 1025 Fundamentals of AC Circuits
- EET 1036C FUNDAMENTALS OF DC AND AC CIRCUITS

**Intermediate Courses**
- CET 2112C DIGITAL SYSTEMS I
- EET 1141C SEMICONDUCTOR DEVICES AND CIRCUITS
- ETS 1210C INTRODUCTION TO PHOTONICS

**Advanced Courses**
- MUM 2640C POST PRODUCTION SOUND
- CET 2123C Fund of Microprocessors

Total Credit Hours 32

Audio and Electronics Engineering Elective 1

Audio and Music Business Management

**Program Outcomes**
- Use computers for professional audio applications in accordance with industry standards and practices.
- Use professional audio equipment for sound reinforcement, recording and reproduction in accordance to industry standards and practices.
- Explore principles of music business practices and standards including legal and marketing strategies.
- Use principles and standards of Business Management in an Audio and/or Music business setting.
- Produce Audio Masters
- Produce Soundtracks

**Foundation Courses**
- MUT 1011C Introduction to Music Theory
- TPA 1380 SURVEY OF ENTERTAINMENT TECHNOLOGY
- MGF 1106 COLLEGE MATHEMATICS
- MUM 2720C BUSINESS OF MUSIC
- GEB 1011 Introduction To Business

**Intermediate Courses**
- MUM 2721 Business of Music II Entrepren
- APA 1111C Basic Accounting
- SBM 1000 Small Business Management

**Advanced Courses**
### Music Production Specialization

**Program Outcomes**
- Use principles of music theory and performance in professional music and sound applications.
- Explore principles of music business practices and standards including legal and marketing strategies.
- Use the MIDI protocol for professional music production and synchronization applications in accordance to industry standards and practices.
- Use computers for professional audio applications in accordance with industry standards and practices.
- Use professional audio equipment for sound reinforcement, recording and reproduction in accordance to industry standards and practices.

**Foundation Courses**
- MUT 1111 Music Theory I **~** 3
- MUT 1241C Sight Singing and Ear Trng I * 1
- MUT 1112 Music Theory II **~** 3
- MUT 1242C Sight Singing Ear Trng II **~** 1
- MVK 1111C Piano Class for Music Majors I 1
- TPA 1380 SURVEY OF ENTERTAINMENT TECHNOLOGY 3

**Intermediate Courses**
- MUC 2000 COMPOSITION AND SONGWRITING 2
- MUT 2116 Music Theory III **~** 3
- MUT 2246C Sight Singing Ear Trng III **~** 1
- Science or Math or See Gen Ed Requirements *~* 3

**Advanced Courses**
- MUM 2790L Music Production 1
- MUT 2117 Music Theory IV **~** 3
- MUT 2247C Sight Seeing Ear Trng IV **~** 1
- MUS 2361C MIDI ELECTRONIC MUSIC II * 3
- Music Production Elective 3

Total Credit Hours 32

### Sound Production Specialization

**Program Outcomes**
- Use computers for professional audio applications in accordance with industry standards and practices.
- Use professional audio equipment for sound reinforcement, recording and reproduction in accordance to industry standards and practices.
- Use principles of music theory and performance in professional music and sound applications.
- Use principles of acoustics and electricity in professional audio applications.
- Explore principles of music business practices and standards including legal and marketing strategies.
- Produce audio masters.
- Produce soundtracks.
- Use the MIDI protocol for professional music production and synchronization applications in accordance to industry standards and practices.
- Author media for sound reproduction in accordance to professional standards and practices.

**Foundation Courses**
- MUT 1011C Introduction to Music Theory * 4
- TPA 1380 SURVEY OF ENTERTAINMENT TECHNOLOGY 3
- MUM 2720C BUSINESS OF MUSIC 3
- Math or Science or See Gen. Ed. Requirements *~* 3

**Intermediate Courses**
- MUM 1662C LIVE SOUND TECHNIQUES **~** 3
- DIG 2282C VISUAL MEDIA ESSENTIALS * 3
- MUM 1660L LOCATION SOUND * 1

**Advanced Courses**
- MUM 2640C POST PRODUCTION SOUND * 3
Sound Production Electives

Total Credit Hours 32

Sound Production Specialization Electives

MUC 2000 COMPOSITION AND SONGWRITING * 2
MUM 2721 Business of Music II Entrepren 3
MUM 2942 Intern in Music Technology 1-4
MUN 1311 Voices of Valencia 1
MUN 2004 Commercial Music Ensemble * 1
MVK 1811 Piano Class I and II 1
MVS 1816 Guitar Class 1
MVV 1111 Voice Class 1
TPA 2252C INTRODUCTION TO AUDIO VISUAL TECHNOLOGY 3
TPA 2257C Audio Visual Production 3
MUM 2790L Music Production 1

+ This course must be completed with a grade of C or better.
* This course has a prerequisite; check description in Valencia catalog.
~ This is a general education course.
< Denotes that this course is only offered in the Fall Term.
> Denotes that this course is only offered in the Spring Term.

Notes:

Specialized program courses are offered on the East Campus.

Specialized courses may not be offered every session or on every campus.

Associate in Science (A.S.) Degree students who wish to pursue a Bachelor's Degree have the opportunity to transfer into a related bachelor's degree (2+2) that is offered at any state college in Florida. Students who want to continue their education should discuss the career path with their Career Program Advisor, as well as contact their State College of choice for acceptance of this degree.

Audio Electronics Specialist Technical Certificate

This program prepares students to be highly trained technical personnel to address the needs of local industry for technicians capable of operating, installing, maintaining, and troubleshooting professional Audio equipment, as well as, to perform sales, servicing, and training of operators of audio equipment.

Program Outcomes

• Demonstrate an understanding of entrepreneurship.

Program Requirements

MTB 1329 MATHEMATICS FOR ENGINEERING TECHNOLOGY 3
or
MAC 1105 College Algebra +
MUM 1002C FUNDAMENTALS OF SOUND 3
MUM 1620C PSYCHOACOUSTICS AND CRITICAL LISTENING SKILLS 3
MUM 2600C SOUND RECORDING I 4
MUM 2634L THE DIGITAL AUDIO WORKSTATION 1
MUT 1011C Introduction to Music Theory 4
EET 1214C INTRODUCTION TO ENGINEERING TECHNOLOGY 3
EET 1015C FUNDAMENTALS OF DC CIRCUITS 3

Total Credit Hours 24

+ This course must be completed with a grade of C or better.
* This course has a prerequisite; check description in Valencia catalog.
~ This is a general education course.

Digital Music Production Technical Certificate

This program prepares students for employment in music production occupations or provides supplemental professional training for persons previously or currently employed in this field. The content includes, but is not limited to, instruction that prepares individuals for positions such as music directors, singers, composers, and MIDI music sequencers.

Program Outcomes

• Demonstrate knowledge of basic musical skills.
• Demonstrate application of control protocols and their relationship to equipment used in the music industry.
• Demonstrate set-up and configuration of a computer for audio applications.
• Demonstrate employability skills.

Requirements

MUT 1011C Introduction to Music Theory 4
or MUT 111 Music Theory I & MUT 1241C Sight Singing and Ear Trng I
TPA 1380 SURVEY OF ENTERTAINMENT TECHNOLOGY 2
MUS 2360C MIDI ELECTRONIC MUSIC I 4
MVK 1111C Piano Class for Music Majors 1
MVS 1816 Guitar Class 1

Total Credit Hours 12

Sound and Music Production-Audio Visual Production Technical Certificate

This program prepares students for careers in the field of professional audiovisual production by providing students with theoretical and
classroom experience that closely parallels on-the-job activities. The program provides a technical understanding of acoustics, audio devices, optics and projectors, as well as hands-on experience in the design, setup, and operation of technical systems in the areas of live sound and audiovisual presentations.

Program Outcomes

- Use professional audio equipment for sound reinforcement, recording and reproduction in accordance to industry standards and practices.
- Use principles of acoustics and electricity in professional audio applications.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TPA 2260C</td>
<td>INTRODUCTION TO AUDIO PRODUCTION</td>
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<td>or MUM 1002C</td>
<td>FUNDAMENTALS OF SOUND</td>
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<td>MUM 1662C</td>
<td>LIVE SOUND TECHNIQUES</td>
<td>3</td>
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<td>TPA 1380</td>
<td>SURVEY OF ENTERTAINMENT TECHNOLOGY</td>
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<td>Choose any two of the following three courses</td>
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<td>TPA 2252C</td>
<td>INTRODUCTION TO AUDIO VISUAL TECHNOLOGY</td>
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<td>TPA 2257C</td>
<td>Audio Visual Production</td>
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<tr>
<td>MUS 2361C</td>
<td>MIDI ELECTRONIC MUSIC II</td>
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Total Credit Hours 16

* This course has a prerequisite; check description in Valencia catalog.

Notes:

All certificate courses are offered on the East Campus.

Specialized courses may not be offered every session or on every campus.