NOCTI

Audio-Visual Communications

General Assessment Information

Blueprint Contents

General Assessment Information	Sample Written Items
Written Assessment Information	Performance Assessment Information
Specific Competencies Covered in the Test	Sample Performance Job

Test Type: The Audio-Visual Communications industry-based credential is included in NOCTI's Job Ready assessment battery. Job Ready assessments measure technical skills at the occupational level and include items which gauge factual and theoretical knowledge. Job Ready assessments typically offer both a written and performance component and can be used at the secondary and post-secondary levels. Job Ready assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the states of Massachusetts, Michigan, New Jersey, New York, Pennsylvania, and Utah.
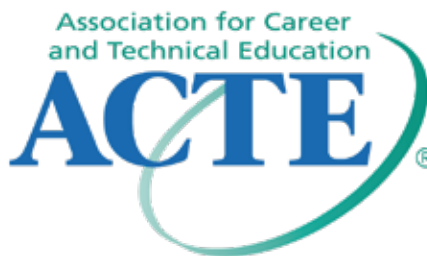
CIP Code

10.0201- Photographic and Film/Video Technology/Technician and Assistant

CTE — Learning that works for America

Career Cluster - Arts, A/V Technology, and Communications

O*net in•it

27-4011.00- Audio and Visual Equipment Technicians

Association for Career and Technical Education — ACTE

The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!
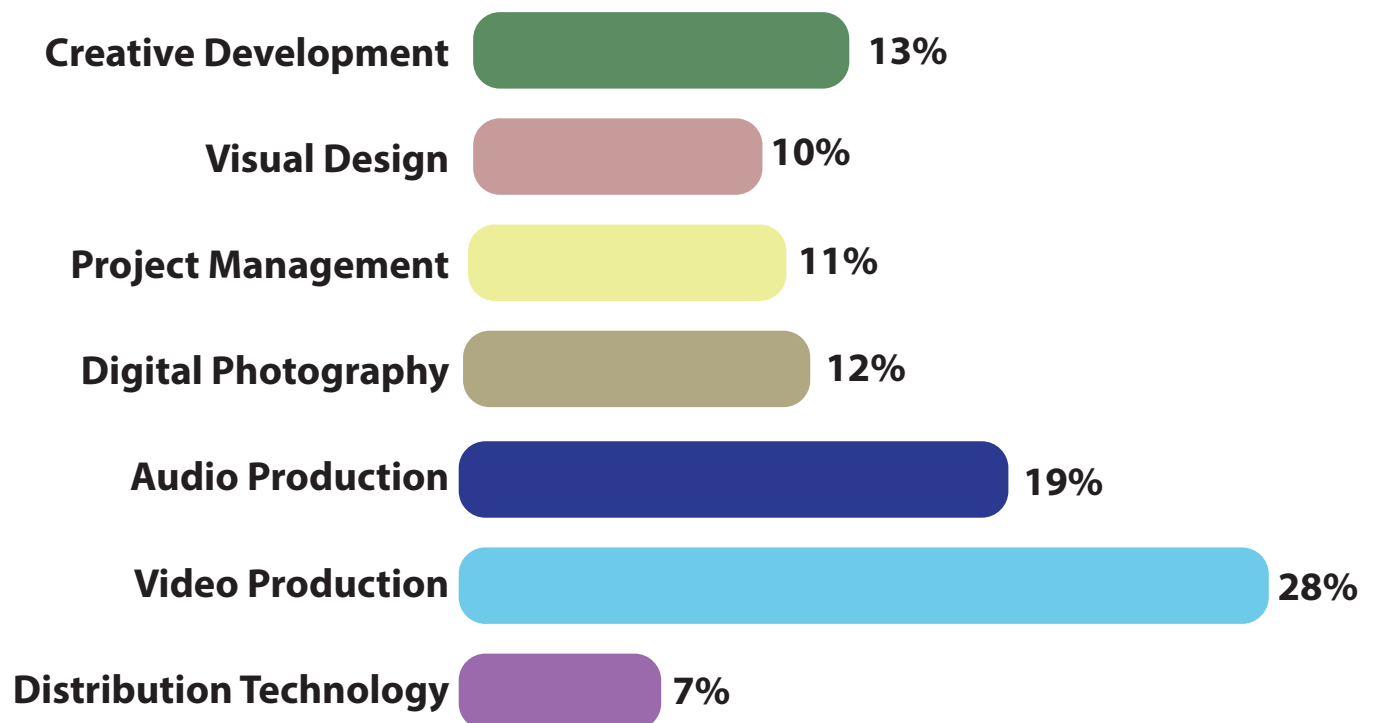
Written Assessment

NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 3 hours
Number of Questions: 153
Number of Sessions: This assessment may be administered in one, two, or three sessions.

Areas Covered

Creative Development — 13%
Visual Design — 10%
Project Management — 11%
Digital Photography — 12%
Audio Production — 19%
Video Production — 28%
Distribution Technology — 7%

Specific Standards and Competencies Included in this Assessment

Creative Development
- Determine client objectives
- Develop creative outline
- Present and select media based on client needs
- Write the script
- Create and present the storyboard
- Develop, present, and evaluate a proposal, project, or treatment

Visual Design
- Apply principles and elements of design
- Select and design for a specific media
- Determine difference between vector and bitmap
- Demonstrate understanding of uses of typography

Specific Standards and Competencies (continued)

Project Management
- Develop and efficiently utilize production schedules and personnel
- Prepare and manage the production budget and resources
- Communicate effectively with client and audio-visual production team

Digital Photography
- Operate a digital single lens reflex (DSLR) still camera and peripherals
- Control lighting, exposure, and composition
- Select and use correct digital media format
- Determine specifications for finished project

Audio Production
- Identify and select microphones
- Select and incorporate music and sound effects
- Set up and record audio
- Determine specifications for finished audio project
- Edit, mix, and engineer audio

Video Production
- Operate video camera
- Operate stabilization equipment for video recording
- Determine proper lighting for production
- Demonstrate camera movements and composition
- Follow safety guidelines for personnel and audio-visual equipment operation
- Cast and direct talent
- Identify video editing techniques
- Determine specifications for finished video project

Specific Standards and Competencies (continued)

Distribution Technology
- Utilize network technology, web browsers, and network tools
- Identify methods for Internet distribution of audio-visual productions
- Follow copyright, licensing, and broadcast laws

Sample Questions

The proposal that outlines the overall concept of a production is the
- A. budget
- B. treatment
- C. storyboard
- D. script

The director uses detailed storyboards to assist in planning
- A. shot composition
- B. set design
- C. art direction
- D. lighting placement

The repetition and alternation of elements in visual design refers to
- A. key framing
- B. rhythm
- C. movement
- D. streaming

As a practical matter, scripted scenes in a video production are often shot
- A. in sequence according to script
- B. during daylight hours
- C. out of scripted sequence
- D. without any sound

A DSLR camera stores the captured images on which device?
- A. hard drive
- B. memory card
- C. flash drive
- D. capture card

Sample Questions (continued)

To enter the public domain, media must be 95 years old or published before which year?
- A.   1903
- B.   1923
- C.   1963
- D.   1967

The VU meter measures
- A.   waveform frequency
- B.   audio level
- C.   audio file length
- D.   cue pulses

A zoom lens has a
- A.   fixed focal length
- B.   variable focal length
- C.   narrow field of view
- D.   short focal length

If an image is considered 720p, the "p" refers to
- A.   pixels
- B.   progressive
- C.   pages
- D.   parts

Streaming video
- A.   is subject to server congestion and buffering
- B.   is available only through Netflix
- C.   downloads large files to the user's hard drive
- D.   can cause runtime errors in Windows

Performance Assessment

NOCTI performance assessments allow individuals to demonstrate their acquired skills by completing actual jobs using the tools, materials, machines, and equipment related to the technical area.

Administration Time: 2 hours and 45 minutes
Number of Jobs: 3
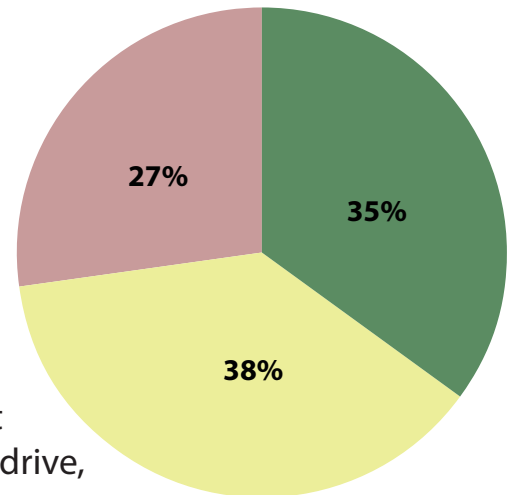
Areas Covered:

35% Audio-Visual Editing
Participant will import footage to editing software, open media files, review provided script, make selection of clip(s), edit scene, insert slate, export it as a Quick Time Movie, H.264, or MP4, save it to flash drive, and notify evaluator when finished.

38% Videography
Participant will note starting and ending time, set up equipment, properly set exposure and white balance camera, connect microphone and monitor audio levels, shoot a video that displays correct techniques, and submit recording media to evaluator.

27% Script Development
Participant will review the storyboard and dialogue provided, and using the word processing program, create a two-column script, export as a PDF, save, and notify evaluator.

Sample Job

Script Development

Maximum Time: 45 minutes

Participant Activity: The participant will review the storyboard and dialogue sheet provided, and using the word processing program, create a two-column script that meets all the provided criteria, export it as a PDF and save it with the correct name, then notify the evaluator when ready to be scored.