

**Audio-Visual
Communications
Technology**

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Test Type: The Audio-Visual Communications Technology assessment is included in NOCTI's Teacher assessment battery. Teacher assessments measure an individual's technical knowledge and skills in a proctored proficiency examination format. These assessments are used in a large number of states as part of the teacher licensing and/or certification process, assessing competency in all aspects of a particular industry. NOCTI Teacher tests typically offer both a written and performance component that must be administered at a NOCTI-approved Area Test Center. Teacher assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from subject matter experts representing the following states: Massachusetts, Michigan, New Jersey, New York, Pennsylvania, Utah.



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



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



27-4011.00- Audio and
Visual Equipment
Technicians

Written Assessment

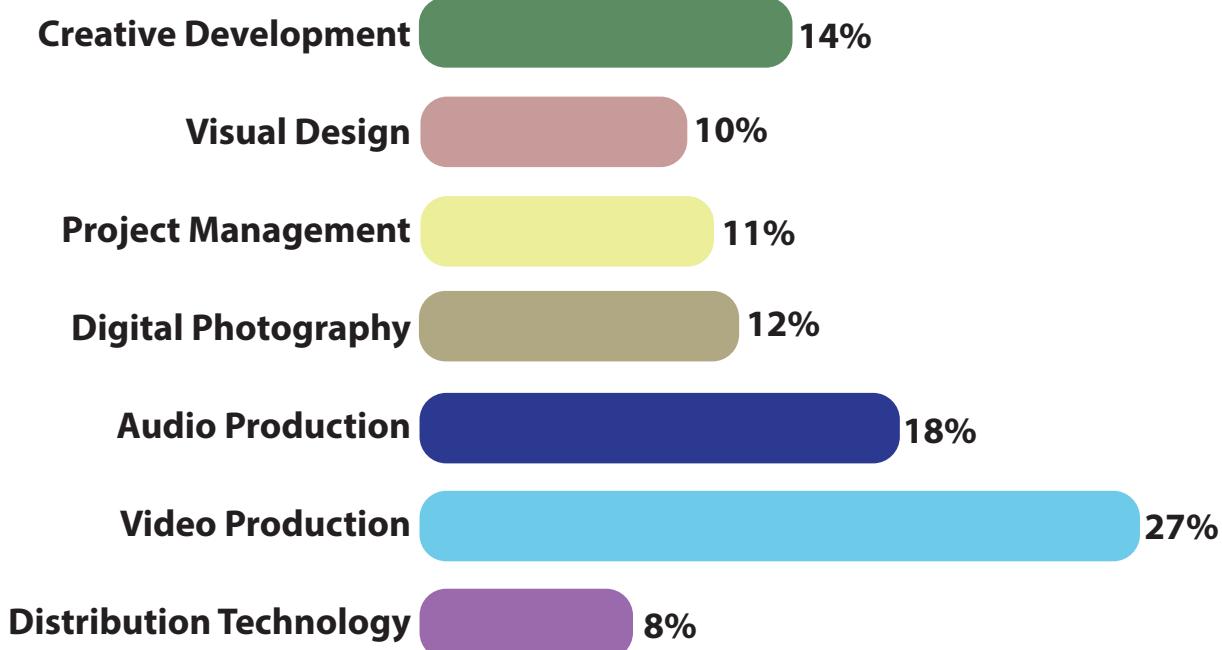
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 3 hours

Number of Questions: 147

Number of Sessions: This assessment may be administered in one, two, or three sessions.

Areas Covered



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

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

(Continued on the following page)

Specific Standards and Competencies (continued)

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

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 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

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

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

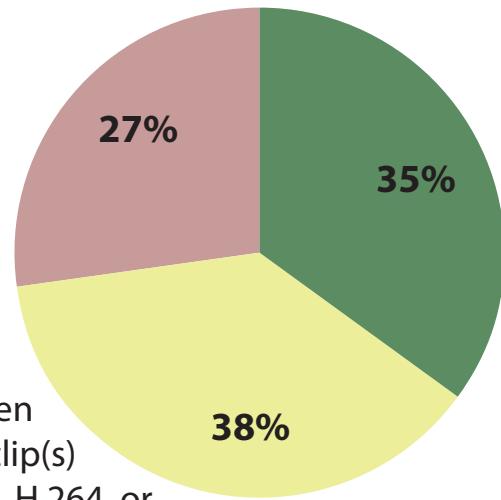
Participant will import footage to editing software, open media files, review provided script, make selection of clip(s) edit scene, insert slate, export it as a Quick Time Movie, H.264, or MP4, save it to flash drive, and notify evaluator when finished.

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.