Course Description
This course is designed to provide students with the basic knowledge and skills related to the video production industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

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<th>Intended Grade Level</th>
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<tr>
<td>Prerequisite</td>
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STRAND 1
Students will be able to understand and demonstrate the process of pre-production.

Standard 1
Demonstrate understanding of basic storytelling principles, including:
- People, Place, Plot, Purpose

Standard 2
Create a storyboard.

Standard 3
Organize and plan a production, including:
- Shot list
- Shoot schedule
- Crew and cast responsibilities.

Performance Skill
Understand and demonstrate the process of pre-production.
- Demonstrate understanding of basic storytelling principles.
- Create a storyboard.
- Organize and plan a production.

STRAND 2
Students will be able to understand and demonstrate the correct operation of the camera.

Standard 1
Identify the basic functions of the main parts of a camera, including:
- Image sensors
- Lens
- Body
- Viewfinder

Standard 2
Demonstrate understanding of basic camera operations, including:
- Focus
- White balance, both indoors and outdoors
- Basic exposure involving the iris/aperture and shutter speed
- Recording settings
  - Format
  - Current camera resolutions (720, 1080, 4K, etc.)
  - Appropriate frame rates and their uses.
Standard 3
Demonstrate understanding of basic camera supports, including:
- Tripod
- Monopod

Standard 4
Identify and demonstrate effective shot composition (framing).
- Rule of thirds
- Nose room vs. Lead room
- Head room
- Two shot

Standard 5
Identify and demonstrate effective use of various shot selections, including:
- Wide or long (LS)
- Medium (MS)
- Close-up (CU)
- Extreme close-up (ECU)

Standard 6
Identify and demonstrate effective use of various camera movements, including:
- Pan
- Truck
- Dolly
- Arc
- Pedestal
- Tilt
- Zoom

Standard 7
Identify and demonstrate effective use of various camera angles, including:
- High angle
- Eye level
- Low angle

Performance Skill
Understand and demonstrate the correct operation of the camera.
- Identify the basic functions of the main parts of a camera.
- Demonstrate understanding of basic camera operations.
- Demonstrate understanding of basic camera supports.
- Identify and demonstrate effective shot composition (framing).
- Identify and demonstrate effective use of various shot selections.
- Identify and demonstrate effective use of various camera movements.
- Identify and demonstrate effective use of various camera angles.
STRAND 3

Students will be able to understand and demonstrate procedures for recording and editing audio.

Standard 1
Identify various types of microphones and filters and demonstrate appropriate use of each.

- Microphone types
  - Lavaliere
  - Handheld mic
  - Shotgun/Boom mic
- Filters
  - Pop filter
  - Wind screen

Standard 2
Demonstrate effective editing of audio recordings.

- Identify and set appropriate audio levels for different audio types:
  - Dialogue
  - Sound effects
  - Music
  - Clipping
- Understand and demonstrate effective control of ambient sound.

Standard 3
Identify and use various audio connectors, including:

- XLR
- 1/8” mini plugs [stereo & mono]

Performance Skill
Understand and demonstrate procedures for recording and editing audio.

- Identify various types of microphones and filters and demonstrate appropriate use of each.
- Demonstrate effective editing of audio recordings.
- Identify and use various audio connectors.

STRAND 4

Students will be able to understand and demonstrate knowledge of basic lighting principles.

Standard 1
Demonstrate understanding of three-point lighting and its components:

- Key light
- Fill light
- Back or Halo light
Standard 2
Setup and use lighting appropriately for various situations, including:
  • Natural vs. artificial light
  • Chroma key

Performance Skill
Understand and demonstrate knowledge of basic lighting principles.
  • Demonstrate understanding of three-point lighting and its components.
  • Setup and use lighting appropriately for various situations.

STRAND 5
Students will be able to understand and demonstrate knowledge of post-production.

Standard 1
Demonstrate appropriate file management and archiving processes.
  • Transferring
  • Organizing
  • Naming

Standard 2
Demonstrate effective editing workflows.
  • Preview media
    • Trim
  • Rough cut
    • Cuts
    • Transitions
  • Tighten sequence
  • Filters/effects
    • Graphics
    • Keyframe animation
  • Export

Standard 3
Understand and demonstrate effective output of media.
  • Understand and use appropriate settings for desired output (i.e., web, mobile, movie screen, TV, etc.)
    • Codecs (h.264, ProRes, XAVC, etc.)
    • Containers (.MP4, .MOV, etc.)
    • Resolutions (720, 1080, 4K, etc.)
    • Frame per second
Performance Skill
Understand and demonstrate knowledge of post-production.
- Demonstrate appropriate file management and archiving processes.
- Demonstrate effective editing workflows.
- Understand and demonstrate effective output of media.

STRAND 6
Students will be able to understand and practice copyright laws, ethics and legal issues as identified in United States Code Title 17 Chapter 1 Section 101.

Standard 1
Define copyright, public domain, fair use, creative commons, and ethics.

Standard 2
Practice ethics and rules governing photojournalism.
- Fair use
- Time limitations
- Copying and distribution limitations

STRAND 7
Students will understand the importance of career readiness skills as it relates to the workplace and outlined in the SkillsUSA Framework – Level 1.

Standard 1
Understand and demonstrate the attitude of cooperation.
- Develop awareness of cultural diversity and equality issues.
- Demonstrate effective communication with others.
- Apply team skills to a group project.
- Identify and apply conflict resolution skills.

Standard 2
Understand and demonstrate the ability of being resourceful and innovative.
- Discover self-motivation techniques and establish short-term goals.
- Measure/modify short-term goals.
- Review a professional journal and develop a three- to five-minute presentation.

Standard 3
Plan for your future career.
- Complete a self-assessment and identify individual learning styles.
- Define future occupations.
- Identify the components of an employment portfolio.
- List proficiency in program competencies.
• Complete a survey for employment opportunities.
• Create a job application.
• Assemble your employment portfolio.
• Employability skills: evaluate program comprehension.

**Standard 4**
Understand and demonstrate the ability to manage a project.
• Apply team skills to a group project.
• Observe and critique a meeting.
• Demonstrate business meeting skills.
• Explore supervisory and management roles in an organization.
• Identify and apply conflict resolution skills.
• Demonstrate evaluation skills.
• Manage a project and evaluate others.

**Skill Certificate Test Points by Strand**

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