

PHOTOGRAPHY - CAMERA OPERATOR STUDENT INTERNSHIP SKILLS LIST

Provo School District

Photographs various subjects and subject material, using motion picture, television broadcasting, or video recording cameras and equipment, utilizing knowledge of motion picture, television broadcasting, or video recording techniques, limitations, and advantages to photograph scenes: Resolves problems presented by exposure control, subject and camera movement, changes in subject distance during filming, and related variables. May receive directives from Producer or Director over headset. May set up and operate dollies, cranes, camera mounting heads, power zooms, and related motion picture, television broadcasting, or video recording equipment and accessories. May maintain or repair equipment and accessories. May specialize in particular subject material or field, such as medical, scientific, news, or commercial. May photograph action on motion picture or television sets and locations, using shoulder held camera, or photograph special effects. May specialize in operation of television cameras. May specialize in operation of motion picture cameras.

This list is designed to help you obtain considerable information during your internship period. The column on the left will designate various procedures used in your internship you have been assigned. When you observe a procedure, record the date and have your mentor or sponsor initial the square. There is a lot to see and learn. Be sure to ask your mentor to show you as much as he/she can.

PROCEDURES OR SKILLS	DATE INITIAL	DATE INITIAL	DATE INITIAL
OPERATE MOTION PICTURE CAMERAS AND AUXILIARY EQUIPMENT			
1. Apply the mechanics of motion picture cameras			
2. Operate camera controls			
3. Maintain motion picture camera equipment			
4. Select and use filters, filter factors and neutral density filters			
5. Use photoelectric light meters to determine light requirements			
6. Assist an experienced camera operator in performing with and manipulating in performing with and manipulating cameras			
APPLY CAMERA TECHNIQUES			
7. Calculate exposure, apply and select F/stops and shutter speeds			
8. Determine exposure using basic exposures method			
9. Control and recognize photographic composition			
10. Apply the use of camera lenses			
11. Determine focal length, image size, speed of lens, hyperfocal distance, depth of field and angle of view			

PICTORIAL CONTINUITY			
12. Basic sequence			
13. Re-establishing shots			
14. Directional continuity			
15. Cut-ins and cutaways			
16. Overlap			
17. Story planning and script writing of uncontrolled action			
18. Cutting and editing techniques			
APPLY MOTION PICTURE LIGHTING AND COLOR FILM TECHNIQUES			
19. Perform with lighting equipment and accessories			
20. Determine lighting ratios and color temperature			
21. Perform with interior and exterior color film			
22. Select and apply the use of filters with color film			
PERFORM MOTION PICTURE SOUND RECORDING AND EDITING PROCEDURES			
23. Operate single-system sound camera equipment			
24. Operate editing equipment			
25. Perform with equipment the editing of pictures and sound			
26. Adjust frames per second to action photographs for synchronization with sound recording			
PERFORM PERIODIC SERVICING AND FUNCTIONAL CHECKS ON MOTION PICTURE PHOTOGRAPHIC EQUIPMENT			
27. Examine and exercise care of cameras, lenses, accessories, mounts and cables			
28. Apply safety precautions in servicing, handling and replacing equipment			
29. Practice first aid measures			
30. Determine the technical limitations of equipment involving picture quality			
31.			
32.			