

Department of the Army
Pamphlet 621-103

EDUCATION

**THE US ARMY
SIGNAL SCHOOL
APPRENTICESHIP
PROGRAM FOR
THE TRADE OF
PHOTOGRAPHER,
MOTION
PICTURE**

Headquarters
Department of the Army
Washington, DC
1 September 1982

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SUMMARY of CHANGE

DA PAM 621-103
THE US ARMY SIGNAL SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF PHOTOGRAPHER,
MOTION PICTURE

This change 1--

- o Adds the 500 hour requirement to perform periodic servicing and functional checks on motion picture photographic equipment.
- o DA Pam 621-103, 15 July 1981, is changed as follows:
- o New or changed material is indicated by a star.
- o Remove old page and insert new page as indicated below:

--Remove page

Insert Page

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EDUCATION

THE US ARMY SIGNAL SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF PHOTOGRAPHER, MOTION PICTURE

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

History. This publication has been organized to make it compatible with the

Army electronic publishing database. No content has been changed.

Summary. Not applicable.

Applicability. This pamphlet applies to all elements of the active Army. This pamphlet does not apply to Army National Guard and Army Reserve.

Proponent and exception authority. The proponent agency of this pamphlet is The Adjutant General's Office.

Interim changes. Interim changes are not official unless they are authenticated by The Adjutant General. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. Users are invited to send comments and suggested

improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to Commander, US Army Signal Center and Fort Gordon, ATTN: ATZHPA-E, Fort Gordon, GA 30905.

Distribution. To be distributed in accordance with DA Form 12-9A requirements for DA Pamphlets, Education plus 5 copies each to All Education Centers and Sub-centers.

Active Army: B

ARNG: None

USAR: None

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*This pamphlet supersedes DA Pam 621-103, 1 May 1979.

RESERVED

1. Purpose.

The purpose of this pamphlet is to announce the US Army Signal School Apprenticeship Program for the Trade of Photographer, Motion Picture (DOT Code 143.062-022).

2. Scope and Applicability.

This pamphlet applies to all elements of the active Army. This pamphlet does not apply to Army National Guard and Army Reserve.

3. General.

Policies and procedures for participation in the program are contained in AR 621-5. This pamphlet is designed to be used in conjunction with that regulation.

4. Apprenticeship Program Number and Occupational Skill Code.

a. The following apprenticeship program number and occupational skill code are used to identify the US Army Signal School Apprenticeship Program for the Trade of Photographer, Motion Picture.

(1) Apprenticeship Program Number: 99904.

(2) Occupational Skill Code: 09.

b. The apprenticeship program number and occupational skill code must be entered on DA Form 4409-R (Apprenticeship Application) to identify the program for which the soldier is making application.

5. Eligibility for Participation in the Program.

Soldiers holding as primary or secondary the MOS of 84C, Motion Picture Specialist and serving in the MOS may participate in the program.

6. The Photographer, Motion Picture Apprenticeship Program.

This is a 6,000 hour program which leads to certification as journeyworker in the trade of Photographer, Motion Picture. Participation in the program is voluntary, and no membership in labor unions or professional associations is required. The work process schedule and schedule of related instruction for the trade are attached (app B and C). The purpose of the work process schedule and the schedule of related instruction are as indicated below:

a. The work process schedule reflects categories of work experience required by soldier-apprentices to qualify as journeyworker and hours of work experience required in each category.

b. The schedule of related instruction identifies courses which may be taken by soldier-apprentices to satisfy the 432 hours of related instruction required for completion of the program.

7. Enrollment in the Program.

Soldiers may enroll in the program by contacting their installation education services officers (ESOs) who will explain requirements of the program and assist in the preparation of the Apprenticeship Application Form (DA Form 4409-R).

8. Apprentice Log Forms.

Apprentice Log Forms and instructions on use of forms will be issued to soldiers by installation ESOs at the time of registration in the program. Log instruction sheets will be maintained by soldiers in a three-ring binder. Soldier-apprentices will be required to annotate their work experience on log sheets on a daily basis. The standard for the amount of work experience logged will be 132 hours per month. Hours logged above this standard amount must be justified in the remarks section of the daily work experience record and attested to by the signature and rank of the shop craft supervisor or an individual holding a comparable position. Log entries must be verified by the soldier-apprentice's immediate supervisor on a weekly basis.

9. Credit for Previous Experience.

a. Newly enrolled soldier-apprentices who have partially completed an approved Federal or State registered civilian apprenticeship in the trade of Photographer, Motion Picture or a related trade will, upon presentation of documentation, be awarded credit for all experience related to categories of work contained in the work process schedule at appendix B.

b. Up to 3,000 hours of credit for previous military work experience may be awarded upon presentation of authenticated documentation of satisfactory performance. Such experience must be directly related to the occupation in which the apprenticeship is being performed. Statements from previous supervisors or other such documentation which certify category of work, number of hours by category, and quality of performance will be submitted by soldier-apprentices to their installation ESOs for consideration. ESOs will forward these documents to the Commandant, US Army Signal Center and Fort Gordon, ATTN: ATZHPA-E, Fort Gordon, GA 30905, for final determination.

10. Related Instruction Credit for Previous Military and Civilian Education.

Credit for previous military and civilian education may be awarded to satisfy related instruction requirements by

presenting certificates of course completion or other such documentation from official military records or other sources. The installation ESO will determine the amount of credit to be awarded. The ESO will consult appropriate Service schools, as required, to determine the appropriate amount of credit for each course.

11. Completion of the Program.

Upon successful completion of the program, a Certificate of Completion of Apprenticeship will be awarded by the US Department of Labor. While the award of a Certificate of Completion of Apprenticeship will not guarantee a job, it will certify that journeyworker status has been attained, and should enable completers of the program to be more competitive with civilians in the trade.

12. Partial Completers.

Soldiers leaving the service prior to completion of the program will receive documented credit for that portion of the program which they did complete. This documentation may be presented for satisfaction of requirements of civilian apprenticeship programs in the trade of Photographer, Motion Picture or a related trade. (See app D).

Appendix A REFERENCES

Section I Required Publications

This section contains no entries.

Section II Related Publications

This section contains no entries.

Section III Prescribed Forms

This section contains no entries.

Section IV Referenced Forms

This section contains no entries.

Appendix B
WORK PROCESS SCHEDULE FOR THE TRADE OF PHOTOGRAPHER, MOTION PICTURE
(DOT CODE 143.062-022)

Table B-1

<i>Work Processes</i>	<i>Hours</i>
A. Operate Motion Picture and Auxiliary Equipment	3,500
Apply the mechanics of motion picture cameras. Operate camera controls.	
Maintain motion picture camera equipment.	
Select and use filters, filter factors and neutral density filters.	
Use photoelectric light meters to determine light requirements.	
Assist an experienced cameraman in performing with and manipulating cameras.	
B. Apply Camera Techniques	700
Calculate exposure, apply and select F/stops and shutter speeds.	
Determine exposure using basic exposures method.	
Control and recognize photographic composition.	
Apply the use of camera lenses.	
Determine focal length, image size, speed of lens, hyper-focal distance, depth of field and angle of view.	
Perform pictorial continuity practices to include:	
Basic sequence.	
Re-establishing shots.	
Directional continuity.	
Cut-ins and cutaways.	
Overlap.	
Story planning and script writing of uncontrolled action.	
Cutting and editing techniques.	
C. Apply Motion Picture Lighting and Color Film Techniques	600
Perform with lighting equipment and accessories	
Determine lighting rations and color temperature.	
Perform with interior and exterior color film.	
Select and apply the use of filters with color film.	
D. Perform Motion Picture Sound Recording and Editing Procedures	700
E. Perform Periodic Servicing and Functional Checks on Motion Picture Photographic Equipment	500
Examine and exercise care cameras, lenses, accessories, mounts and cables.	
Apply safety precautions in servicing, handling and replacing equipment.	
Practice first aid measures.	
Determine the technical limitations of equipment involving picture quality.	
Perform preventive maintenance on equipment.	
TOTAL	6,000

This paragraph contains no entries.

Appendix C

SCHEDULE OF RELATED INSTRUCTION FOR THE TRADE OF PHOTOGRAPHER, MOTION PICTURE (DOT CODE 143.062-022)

A total of 432 hours of related instruction is required to complete this program. Completion of any one or a combination of the below listed courses which equals 432 hours of related instruction or more may be taken to satisfy this requirement. Credit for courses not listed below may be awarded upon presentation of authenticated documentation of satisfactory completion. A synopsis of the course must be submitted with documentation. Documentation and synopsis for courses not listed below will be forwarded by ESOs to Commander, US Army Signal Center and Fort Gordon, ATTN: ATZHPA-E, Fort Gordon, GA 30905, for final determination.

Table C-1

Course Number	Course Title	School	Resident	Non-resident	Credit Hours
A. G3 ABR 2323184F20	Audio/Television Production Specialist	Lowry, AFB CO	X		280
B. 400-84C20	Motion Picture Camera Operator	USASC	X		456
C. 400-84G20	Photographic Laboratory Operations	USASC	X		554
D. SSO 550	Principles of Photography	USASC		X	9
E. SSO 505	Photographic Techniques (Prerequisite SSO 500)	USASC		X	10
F. SSO 502	Motion Picture Photography	USASC		X	10
G. SSO 503	Photographic Laboratory Operations	USASC		X	15
H. SSO 501	Still Photography	USASC		X	10
I. SSO 504	Army Aerial Photography	USASC		X	8
J. SSO 506	Laboratory Procedures for Aerial Photography (Pre-requisite: SSO 503)	USASC		X	3
K. SSO 651	Safety and Preventive Maintenance	USASC		X	3
L. SSO 660	Maintenance Concepts and Supply Procedures	USASC		X	7
M. SSO 193	Still Photographic Specialist	USASC		X	3

This paragraph contains no entries.

**Appendix D
EXAMPLE OF A PARTIAL COMPLETION LETTER**

(Enter Office Symbol)

(Enter Date)

TO WHOM IT MAY CONCERN:

This is to certify that _____ was enrolled in the Army
(Name)

Apprenticeship Program for _____
(Name of Occupational Skill Area)

_____ During this period _____ to _____. During that period
(Registration Number) (Date) (Date)

he successfully completed the following hours:

<i>Work Process</i>	<i>Hours</i>
A	_____
B	_____
_____	_____
_____	_____

Army Apprentice Programs are registered with the US Department of Labor and the fact that this individual did participate can be verified with the Bureau of Apprenticeship and Training, Patrick Henry Building, Washington, DC 20213, or by contacting Headquarters, TRADOC, ATTN: ATPL-AGE, Fort Monroe, VA, 23651.

Sincerely,

ESO's SIGNATURE BLOCK

Figure D. EXAMPLE OF A PARTIAL COMPLETION LETTER

This paragraph contains no entries.

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