

Department of the Army
Pamphlet 621-79

EDUCATION

**THE US ARMY
ENGINEER
SCHOOL
APPRENTICESHIP
PROGRAM FOR
THE TRADE OF
UNIVERSAL
EQUIPMENT
OPERATOR
(CONSTRUCTION
EQUIPMENT)**

Headquarters
Department of the Army
Washington, DC
31 May 1984

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SUMMARY of CHANGE

DA PAM 621-79

THE US ARMY ENGINEER SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF UNIVERSAL
EQUIPMENT OPERATOR (CONSTRUCTION EQUIPMENT)

This change 1--

- o Corrects MOS 62F title and adds details under Appendix B. DA Pamphlet 621-79,
30 March 1977.

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EDUCATION

THE US ARMY ENGINEER SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF UNIVERSAL EQUIPMENT OPERATOR (CONSTRUCTION EQUIPMENT)

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

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

Chief of Staff. Change 1 to this regulation was printed on 31 May 1984 and was authenticated by Robert M. Joyce, Major General, United States Army Adjutant General, and John A. Wickham, Jr. General, United States Army Chief of Staff. This electronic edition publishes the basic 1977 edition and incorporates Change 1.

Summary. Not applicable.

Applicability. Not applicable.

Proponent and exception authority. The proponent agency of this regulation is The Adjutant General Center.

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destroy interim changes on their expiration dates unless sooner superseded or rescinded.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) direct to the Commandant, US Army Engineer School, ATTN: ATSE-TDI, Fort Belvoir, VA 22060.

Distribution. Active Army: To be distributed in accordance with DA Form 12-9A requirements for Education—B. USAR and ARNG—None

History. This publication was originally printed on 30 March 1977. It was authenticated by Paul T. Smith, Major General, United States Army, and Bernard W. Rogers, General, United States Army

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*This pamphlet, together with Pam 621-77, and Pam 621-78, supersede Pam 350-56, 30 January 1976, including all changes.

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1. Purpose.

The purpose of this pamphlet is to announce the US Army Engineer School Apprenticeship Program for the trade of Universal Equipment Operator (Construction Equipment) (DOT Code 859883030).

2. General.

Policies and procedures for participation in the program are contained in AR 621-41. This pamphlet is designed to be used in conjunction with that regulation.

3. Apprenticeship Program Number and Occupational Skill Code.

a. The following apprenticeship program number and occupational skill code are used to identify the US Army Engineer School Apprenticeship Program for the trade of Universal Equipment Operator (Construction Equipment).

(1) Apprenticeship Program Number: 99901

(2) Occupational Skill Code: 04

b. The apprenticeship program number and occupational skill code must be entered in items 3 and 4 of DA Form 4409-R (Apprenticeship Application Form) to identify the program for which the soldier is making application.

4. Program Participants.

Soldiers holding 62F (Lifting/Loading Equipment Operator) as their primary or secondary MOS may participate in the program.

5. Universal Equipment Operator (Construction Equipment) apprenticeship Program.

This is a 6,000-hour program which leads to certification as a journeyman in the trade of Universal Equipment Operator (Construction Equipment). 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 (apps B and C). The purposes 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 journeyman 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.

6. 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).

7. 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. Soldier-apprentices will be required to annotate their work experience on log sheets on a daily basis. Log and instruction sheets will be maintained by soldiers in a three-ring binder. Log entries must be verified by the soldier-apprentice's immediate supervisor on a weekly basis.

8. 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 Universal Equipment Operator (Construction Equipment) 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 Engineer School, ATTN: ATSE-TDI, Fort Belvoir, VA 22060 for final determination.

9. 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. The installation ESO will determine the amount of credit to be awarded. He/she will consult appropriate service schools, as required, in order to determine the appropriate amount of credit for each course.

10. 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 journeyman status has been attained, and should enable completers of the program to be more competitive with civilians in the trade.

11. 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 Universal Equipment Operator (Construction Equipment) or a related trade.

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 UNIVERSAL EQUIPMENT OPERATOR
 (CONSTRUCTION EQUIPMENT)**

Hours

A. HOOK	
Operation, maintenance, safety	300
B. SHOVEL FRONT	
Operation, maintenance, safety, construction stakes, hand signals, capabilities, limitations	1100
C. DRAGLINE	
Operation, maintenance, safety, construction stakes, capabilities, limitations	700
D. CLAMSHELL	
Operation, maintenance, safety, construction stakes, capabilities, limitations	700
E. BACKHOE	
Operation, maintenance, safety, construction stakes, capabilities, limitations	800
F. PILEDRIVERS	
Operation, maintenance, safety, construction stakes, capabilities, limitations	300
G. MOTOR CRANE DRIVING	
Operation, maintenance, safety, hand signals, capabilities, limitations	200
H. PUMPS, AIR COMPRESSORS, GENERATORS	
Operation, maintenance, safety	200
I. MISCELLANEOUS	
Welders, transit, level, heaters, compaction equipment, operation, maintenance, safety	50
J. SPECIALIZATIONS	
Use when hours claimed in one or more of the Categories A through I exceed the requirements stated. The total number of surplus hours put in this category should not exceed 1650.	1650
	TOTAL 6000

Appendix C

SCHEDULE OF RELATED INSTRUCTION FOR THE TRADE OF UNIVERSAL EQUIPMENT OPERATOR (CONSTRUCTION EQUIPMENT) (DOT CODE 859883030)

C-1. A Total of 432 Hours of Related Instruction is Required

A total of 432 hours of related instruction is required in order to complete this program. Completion of any one or 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 the Commandant US Army Engineer School, ATTN: ATSE-TDI, Fort Belvoir, VA 22060, for final determination.

Table C-1

Schedule of related instruction for the trade of Universal Equipment Operator (construction equipment)

Course Number	Course Title	School	Resident	Non-resident	Credit Hours
A. 730-62F20	Crane Operator	USATCE Ft. Leonard Wood, MO	X		224
B. 730-62F30	Crane-Shovel Operator	USATCE Ft. Leonard Wood, MO	X		224
C. 120	Basic Mathematics	USAES Ft. Belvoir, VA		X	12
D. 113	Construction Print Reading	USAES Ft. Belvoir, VA		X	10
E. 114	Rigging	USAES Ft. Belvoir, VA		X	10
F. 554	Power Generator Operation I	USAES Ft. Belvoir, VA		X	13
G. 13.1D	Fundamentals of Diesel Engines	USAES Ft. Belvoir, VA		X	45
H. 591	Surveying I (Mathematics and Survey Principles)	USAES Ft. Belvoir, VA		X	20
I. 576	Construction Equipment Operation III	USAES Ft. Belvoir, VA		X	6
J. 555	Power Generator Operations II	USAES Ft. Belvoir, VA		X	18
K. 364	Quarrying	USAES Ft. Belvoir, VA		X	17
L. 63	Soils and Pavements	USAES Ft. Belvoir, VA		X	11
M. 171	Port and Wharf Construction	USAES Ft. Belvoir, VA		X	6
N. 13.32	Metalworking & Welding Operations	Marine Corps Institute, Marine Barracks, Box 1175 Washington, DC 20013		X	22

C-2. Title not used.

Paragraph not used.

Appendix D
ORGANIZATIONS WHICH ENDORSE THE PROGRAM FOR THE TRADE OF UNIVERSAL
EQUIPMENT OPERATOR (CONSTRUCTION EQUIPMENT)

D-1. List of Organizations

- A. International Union of Operating Engineers
1125 Seventeenth Street, N.W.
Washington, DC 20036

- B. The Associated General Contractors of America
1957 E Street, N.W.
Washington, DC 20006

- C. National Construction Association
1101 Fifteenth Street, N.W.
Washington, DC 20005

D-2. Title not used.

Paragraph not used.

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