

**Vision and Safety Eyewear Guide  
for  
U.S. Army  
Civilian and Military Job Series**

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**January 2016**



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**PREFACE**

## Purpose

This technical guide (TG) provides recommended visual performance standards for work in U.S. Army civilian and military jobs. The TG also recommends eye protection for a job series that has potential for injury to the eye. This TG is not a regulation but reflects best practice guidelines for visual performance and eye safety.

## Technical Assistance

Requests for technical assistance may be directed to the Tri-Service Vision Conservation and Readiness Program at the Army Public Health Center (Provisional) (APHC (Prov) [formerly the U.S. Army Public Health Command] at DSN 584-2714 or Commercial 410-436-2714.

## Suggested Improvements

The proponent of the TG is the APHC (Prov) Tri-Service Vision Conservation and Readiness Program. Users are invited to send recommendations for improvement on DA Form 2028—Recommended Changes to Publications and Blank Forms—directly to: Commander, AIPH, Tri-Service Vision Conservation and Readiness Program (MCHB-IP-MTS), 5158 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5403.

## INTRODUCTION

This guide is intended for use by Occupational Health, Safety, Industrial Hygiene, and Vision Care providers on U.S. Army installations worldwide to determine:

- Visual performance standards that ensure employees possess the visual capability to perform effectively, efficiently, and safely in the workplace.
- Eye protection requirements where the potential for eye injury exists while performing duties in the workplace.

This TG serves a starting place to select appropriate vision performance standards and determine safety eyewear needs for a particular employee or group of employees. This TG is not regulatory in nature. Local Vision Conservation and Readiness Team (VCRT) members should review job-specific regulations and specific work conditions to determine if the TG recommendations match the actual work being performed by the employee(s). The final determination of vision protection requirements and vision standards at your facility is vested in the local VCRT, supervisory personnel for the workers, and the chain of command. Remember that, in order to change job vision standards, the change must be documented in the Position Description for the position and all current employees must be notified in writing prior to implementing them. Appendix A provides a list of references used to prepare this TG. The glossary presented at the end of this TG provides a list of abbreviations.

While compiling this TG, the authors noted that both visual performance and protective needs were generally well defined in Military Occupational Specialty (MOS) and Area of Concentration (AOC) job descriptions. Vision requirements for General Schedule (GS) jobs were generally not well defined and therefore required moderate input from professionals to determine visual standards and protection requirements (see Appendix B). Wage Grade (WG) job descriptions were the least structured and often had the same job description included under several major job categories. The WG section required the most input from professionals to determine recommended visual performance standards and protective requirements (see Appendix C). As an occupational health or safety professional, determine standards appropriate to your local workforce, consider guidelines presented in this document, and refer to the Department of the Army (DA) Personnel Fully Automated System for Classification (FASCLASS) descriptions of GS and WG job positions to see which are closest to your local jobs to determine the vision performance and protective standards that best match your workforce.

Pilots and flight crew members represent a very specialized area for vision standards. Army Regulation (AR) 40-501, Standards of Medical Fitness, contains detailed vision requirements for aviators. As regulations and the needs of the Army change, some requirements may change or become temporarily modified (such as unaided visual acuity and refractive status). Be sure to use the most recent version of the AR when evaluating flight personnel. Note that some civilian aviators and aircrew are allowed to meet Federal Aviation Administration requirements in lieu of DA standards. These standards can be found in Title 14, Code of Federal Regulations, Part 67 (Medical Standards and Certification).

### **Why have vision standards been established?**

During World War II, an industrial psychologist named Joseph Tiffin and his colleagues from Purdue University investigated the relationship between visual performance and job efficiency by comparing vision screening results against employee productivity. He described patterns of visual skills (rather than a single skill) that were common among individuals who performed well at specific tasks. Efficient employees possessed visual performance patterns that varied based on the task. From the data obtained in an extensive vision screening and work efficiency study, Tiffin's group formulated vision requirements for six job classifications. These classifications and standards have stood the test of time without modification because little to no evidence exists to change them. A side benefit noted by Tiffin was that individuals meeting the classification requirements also tended to have less eye injuries. The only change made to the original six standards has been the addition of an intermediate visual acuity standard for video display terminal (VDT) workers. These standards are found in Department of the Army Pamphlet (DA Pam) 40-506, The Army Vision Conservation and Readiness Program. The table below also presents these vision standards.

**Recommended job vision standards\***

Vision standard	Corrected visual acuity			Muscle balance			Depth perception	Color vision
	Distant	Near	Intermediate	Distant	Near	Intermediate		
1	20/50	20/30	—	—	Normal	—	—	—
2	20/40	20/20	—	—	Normal	—	Normal	Normal
3	20/30	20/40	—	Normal	—	—	Normal	Normal
4	20/40	20/30	—	—	Normal	—	Normal	Normal
5	20/30	20/30	—	—	Normal	—	Normal	Normal
6	20/50	20/50	—	—	—	—	—	—
7	20/30	20/25	20/25	—	—	Normal	—	—

**Notes:**

Vision Standard 1 = Clerical and administrative occupations requiring a considerable amount of desk work.

Vision Standard 2 = Jobs involving inspection for surface defects and fine tolerance.

Vision Standard 3 = Occupations involving operation of moving vehicles (examples: driving trucks and automobiles, piloting aircraft, operating cranes, forklifts, and tractors).

Vision Standard 4 = Jobs involving operation of machines in which the operating parts are within arm's reach.

Vision Standard 5 = Skilled trades requiring good near and distant vision (examples: plumbers, millwrights, aircraft mechanics, and electricians).

Vision Standard 6 = Jobs of relatively unskilled type (examples: porter, warehouseman, and laborer).

Vision Standard 7 = Jobs requiring use of computer/video display terminal (VDT) for 20 or more hours per week.

\* These standards are guidelines. Some jobs require more stringent acuities, color, and/or other findings based on regulation (for example, pilots require 20/20)

**What is meant by safety eyewear?**

**Industrial Protection:** Industrial safety eyewear meets the requirements of the most current edition of the American National Standards Institute Standard (ANSI) Z87.1, Occupational and Educational Eye and Face Protection Devices. Active Duty military personnel currently receive Military Combat Eye Protection (MCEP) devices from the Authorized Protective Eyewear List (APEL). MCEP devices exceed the ANSI Z87.1 requirements. In addition to combat, MCEP devices may be used for training, at home, or in industrial eye hazardous areas of work.

**Biological/Chemical Protection:** Biological and chemical protection may be met by wearing ANSI Z87.1 glasses with side shields, goggles or standard eyeglasses with a splash barrier attached.

Sports Protection: Many sports (for example, racket sports, women's lacrosse, field hockey, hockey, paintball, basketball, baseball, and soccer) have eye protection standards established by ASTM International. When developed, these are the recognized safety eyewear standards for a particular sport. Where no standard exists, the recommendations of the national sponsoring organizations of the sport are adopted.

For a more detailed description of the VCRT and description of occupational vision, vision safety, and environmental vision, refer to DA Pam 40-506.

### **What is “Normal” Color Vision?**

The term “Normal” Color Vision appears frequently throughout this TG. The guidance below is intended to assist occupational health clinics personnel determine if an employee possesses normal color vision.

#### **Military Personnel**

For Army military personnel, “normal” color vision is defined as passing the Pseudo-isochromatic Plate (PIP) test. Passing is defined as no more than 4 errors in the 14 plate set. Note: these are the 14 number test plates – NOT the demonstration number plate or the plates with the colored trails. For details, please refer to the PIP instruction book that comes with the test. For aviation purposes, no more than two errors are allowed to achieve a passing score (see Aeromedical Technical Bulletin (ATB): Color Vision Testing for additional information).

Individuals who fail the PIP can be confirmed as “Color Safe” by passing one of two additional tests: the Farnsworth Lantern (FALANT) or the OPTEC 900 Color Vision Tester. The OPTEC 900 is simply a newer version of the original FALANT. Both tests present nine pairs of colored lights (White, Green, or Red - arranged top and bottom) at a distance of 8 feet. The nine pairs of lights are presented in random order. To pass, the individual must correctly identify the color and position of the lights for all nine presentations. If the patient makes any errors on the first run, two more presentations are made. If there is no more than one error total in the second two runs, the individual passes. Note: For aviation purposes, only one run with no errors is considered passing (see ATB: Color Vision Testing for additional information).

Many Army MOS/AOCs only require red/green color discrimination. Patients must correctly distinguish between two or more objects or lights that are vivid red and vivid green in color. In practice this is often done by projecting Red and Green onto an eye chart or using medication bottles with red and green caps.

Note the following general statement on color vision from Chapter 2 (Physical Standards for Enlistment, Appointment, and Induction) of AR 40-501, Standards of Medical Fitness: “Failure to pass a color vision test is not an automatic disqualification. Although there is no standard, color vision will be tested because adequate color vision is a prerequisite for entry into many military specialties. However, for entrance into the U.S. Military Academy (USMA) or Army Reserve Officers’ Training Corp or Officer Candidate School programs, the inability to distinguish and identify without confusion the color of an object, substance, material, or light that is uniformly colored a vivid red or vivid green does not meet the standard.”

### **Army Civilian Personnel**

For Army civilian employees, color vision is usually tested using a Titmus vision screener. The Titmus screener tests color vision using a series of six PIPs containing a total of eight numbers (one plate has no numbers). Normal is correct identification of all eight numbers. A Mild Deficiency is defined as correct identification of at least five numbers. A Failure is defined as correct identification of four numbers or less. Unless specifically stated otherwise (example: Aviation positions), Passing is defined as correct identification of five or more numbers.

If equipment is available, we recommend retesting failures using the methods detailed above. If a vision screener other than Titmus is used be sure to check the manufacturer’s scoring instructions for the color vision test.

### **What is “Normal” Depth Perception?**

Many of the jobs listed in this TG note that “Normal” Depth Perception is required. Vision Standards 2, 3, 4, and 5 listed above also note normal depth perception is an indicator of better job performance. So what does “Normal” mean?

For any job that requires passing an Army Class 1, 2, 2F, 3 or 4 Flight Physical, “normal” means 40 seconds of arc or better. Details can be found in AR 40-501, Chapter 4 (Medical Fitness Standards for Flying Duty), Section 4-12 (Vision). For other military positions, unless otherwise specified, normal should be considered 40 seconds of arc.

For civilian positions, unless specified otherwise, normal depth perception is considered 50 seconds of arc for Vision Standards 2, 4, and 5 and 40 seconds of arc for Vision Standard 3. If using the Titmus V4 screener, the depth perception test ends after two consecutive incorrect answers. The score is the last correct answer prior to the

consecutive incorrect answers. A score of 5 is equivalent to 50 seconds of arc. A score of 6 is equivalent to 40 seconds of arc.

### **What is “Normal” Eye Muscle Balance?**

The term “Normal” Eye Muscle Balance appears in this guide. Normal means there is no obvious eye turn, restriction, or weakness in movement when compared to the other eye which results in impaired or uncontrolled eye movements such as strabismus, nystagmus, or diplopia.

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#### **Notes:**

Vision standards and protective requirements for GS and WG employees are based on United States Office of Personnel Management (OPM) GS and WG Classification and Qualification Standards and Army Position Descriptions (PDs) accessed via the Army Civilian Personnel Office FASCLASS available at: <https://acpol2.army.mil/fasclass/inbox/default.asp>.

The following comments on Medical and Physical Requirements come from the OPM website (<http://www.opm.gov/>):

*Applicants must be physically able to perform efficiently the duties of the position. The basis on which agencies may establish specific medical standards or physical requirements is discussed in 5 CFR 339.*

*In general, there must be a direct relationship between the medical standard or physical requirement and the actual duties of the position. A physical condition or impairment may be disqualifying for employment only if there is a direct relationship between the condition and the nature of the duties of the specific position to be filled. Failure to meet an established medical standard or physical requirement means that the individual is not qualified for the position unless there is sufficient evidence that he or she can perform the duties of the position safely and efficiently despite a condition that would normally be disqualifying. A physical impairment will not disqualify an applicant for appointment if the condition is compensated for by a satisfactory prosthesis, medical or mechanical aid, or by reasonable accommodation.*

*Agencies are required to make reasonable accommodation for the physical or mental limitations of an individual who is a qualified job applicant or employee with a disability, unless the accommodation would impose an undue hardship on the agency.*

*Agencies should consult guidance on reasonable accommodation issued by the Equal Employment Opportunity Commission.*

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The vision standards and protective requirements for Army Enlisted, Army Officer, and Army Warrant Officer personnel are based on job descriptions, physical requirements, and specifications of grade found in the DA Pam 611-21 Smartbook (chapters 10, 8, and 3 respectively) (see also appendices D, E, and F of this TG). Where duties of the Service member are significantly different from the MOS description, the local VCRT may specify a different degree of protection. For training and deployment, MCEP provides appropriate protection for Soldiers. In some instances (for example, fuel or chemical handlers), industrial splash protection meeting ANSI Z87.1 chemical splash requirements may be appropriate in place of, or in addition to, MCEP. Determining final protective requirements rests with the local VCRT members per DA Pam 40-506. The DA Pam 611-21 Smartbook is available on milSUITE (Department of Defense Command Access Card (CAC) is required to access) at: <https://www.milsuite.mil/book/groups/smartbookdapam611-21>.

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APPENDIX C: Wage Grade Vision Standards Table

APPENDIX D: Army Enlisted Vision Standards Table

APPENDIX E: Army Officer Vision Standards Table

APPENDIX F: Army Warrant Officer Vision Standards Table

## APPENDIX A: References

1. ANSI Z87.1, American National Standards Institute, Occupational and Educational Eye and Face Protection Devices. Available at: <http://www.safetyequipment.org/c/stdz871-2010.cfm>. Note: ANSI charges a fee to purchase their standards.
2. AR 40-501, Standards of Medical Fitness. Available at: <http://www.apd.army.mil/>.
3. AR 190-56, The Army Civilian Police and Security Guard Program. Available at: <http://www.apd.army.mil/>.
4. AR 611-75, Management of Army Divers. Available at: <http://www.apd.army.mil/>.
5. Army Aeromedical Technical Bulletin (ATB): Color Vision Testing. Available in the Flight Surgeon's Checklists, 28 May 2014 Revision, at: [http://www.rucker.amedd.army.mil/assets/documents/pdf/Army\\_APLs\\_28may2014.pdf](http://www.rucker.amedd.army.mil/assets/documents/pdf/Army_APLs_28may2014.pdf).
6. ASTM International. Available at: <http://www.astm.org/Standard/standards-and-publications.html>. Note: ASTM charges a fee to purchase their standards.
7. Code of Federal Regulations, Title 14 – Aeronautics and Space, Chapter 1 – Federal Aviation Administration, Department of Transportation, Subchapter D – Airmen, Part 67 – Medical Standards and Certification. Available at: [http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=d918e2b1dc7b5486e62d5aca5b6b0c69&tpl=/ecfrbrowse/Title14/14cfr67\\_main\\_02.tpl](http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=d918e2b1dc7b5486e62d5aca5b6b0c69&tpl=/ecfrbrowse/Title14/14cfr67_main_02.tpl)
8. DA Pam 40-506, The Army Vision Conservation and Readiness Program. Available at: <http://www.apd.army.mil/>
9. DA Pam 611-21, Military Occupational Classification and Structure. Available at: <https://www.milsuite.mil/book/groups/smartbookdapam611-21> (CAC required to access).
10. Military Combat Eye Protection (MCEP): Authorized Protective Eyewear List (APEL). Available at: <http://www.peosoldier.army.mil/equipment/eyewear/>.
11. The Army Civilian Personnel Office Fully Automated System for Classification (FASCLASS). Available at: <https://acpol2.army.mil/fasclass/inbox/default.asp>.

12. Title 5, CFR, Part 339 – Medical Qualification Determinations. Available at:  
<http://www.gpo.gov/fdsys/search/pagedetails.action?collectionCode=CFR&searchPath=Title+5%2FChapter+I%2FSubchapter+B%2FPart+339&granuleId=CFR-2012-title5-vol1-part339&packageId=CFR-2012-title5-vol1&oldPath=Title+5%2FChapter+I%2FSubchapter+B%2FPart+339&fromPageDetails=true&collapse=false&ycord=1179>

## APPENDIX B: General Schedule Vision Standards Table

Note: General Schedule Series job classifiers often use several Occupational Series codes for the same job description. In addition, often one Occupational Series code lists several different job descriptions. Utilize the job description that best describes the work your employee performs.

If the Vision Standard does not seem to fit your employee's responsibilities, remember that your team holds the final authority to determine the most appropriate Vision Standard, Color Vision Requirements, and Protective Eyewear Requirements. For Normal Color Vision, the word "Yes" indicates enhanced visual performance is expected when color vision is normal. If the OPM specifically notes a color vision requirement for a job, it is shown in the comments section. Where Eye Protection is listed as "Situational," not all jobs in the description will require protection and the local Occupational Health and Safety Personnel should determine the need. The table in this appendix is organized numerically by Occupational Series. The comments section lists specific medical requirements relating to vision or the eyes from OPM and other Army sources.

General Schedule Occupational Series information comes from the OPM GS Classification and Qualification Standards and Army Position Descriptions accessed via the Army Civilian Personnel Office FASCLASS available at: <https://acpol2.army.mil/fasclass/inbox/default.asp>.

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0000	<u>Miscellaneous Occupations Group</u>				
0006	Correctional Institution Administration Series	5	Yes	No	<b>From OPM:</b> Depending on the essential duties of a specific position, usable vision, color vision, hearing, or speech may be required. However, in most cases, a specific physical condition or impairment will not automatically disqualify an applicant for appointment.
0007	Correctional Officer Series	5	Yes	Situational	<b>From OPM:</b> Must have at least 20/30 vision with or without correction. If only one eye is present or functional, the examining health care practitioner shall determine if an applicant can safely perform the physical ability test, the firearms component, and the self-defense component at the training center.
0017	Explosives Safety Series	5	Yes	Situational	
0018	Safety and Occupational Health Management Series	5	Yes	Yes	
0019	Safety Technician Series	5	Yes	Yes	
0020	Community Planning Series	5	Yes	No	
0021	Community Planning Technician Series	5	Yes	No	
0023	Outdoor Recreation Planning Series	1	No	No	
0025	Park Ranger Series	5	Yes	Situational	
0028	Environmental Protection Specialist Series	5	Yes	Situational	
0029	Environmental Protection Assistant Series	5	Yes	Situational	
0030	Sports Specialist Series	4	Yes	No	
0050	Funeral Directing Series	1	No	No	
0060	Chaplain Series	1	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0062	Clothing Design Series	5	Yes	No	
0072	Fingerprint Identification Series	5	Yes	No	
0080	Security Administration Series	5	Yes	Situational	
0081	Fire Protection and Prevention Series	5	Yes	Yes	<b>From OPM:</b> Corrected distant vision must be at least 20/30 in one eye and 20/70 in the other eye. Uncorrected distant vision is required only if it is likely that corrective lenses may be lost or broken. If so, uncorrected distant vision must be at least 20/100 binocular. Ability to distinguish basic colors is required. Applicants must be free from acute or chronic eye disease.
0083	Police Series	5	Yes	Yes	<b>From OPM:</b> The following medical requirements apply to all applicants: good near and distant vision, ability to distinguish basic colors, and ability to hear the conversational voice. <b>From AR 190-56:</b> When an examinee's vision is worse than indicated below, it is likely the individual will not be able to perform the essential job functions; the examining provider should consider this in their assessment. (a) Using the individual's best optical correction, distance vision should be at least 20/30 in one eye and 20/100 in the other, or 20/40 in one eye and 20/70 in the other, and near vision should be correctable to 20/40 binocularly (both eyes open). Uncorrected binocular visual acuity should be at least 20/100. (b) Individuals should be able to discriminate between vivid red and green colors. (c) Individuals should have normal muscle balance, defined as the lack of strabismus (greater than 15 diopters), nystagmus, and diplopia. (d) Additionally, individuals should have at least a total horizontal visual field of 120 degrees and at least a total vertical visual field of 40 degrees (20 above the horizontal meridian and 20 below the horizontal meridian) in each eye. (e) Individuals should not have a history of abnormal night vision.

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0085	Security Guard Series	5	Yes	Yes	<p><b>From OPM:</b> The following medical requirements apply to all applicants: good near and distant vision, ability to distinguish basic colors, and ability to hear the conversational voice.</p> <p><b>From AR 190-56:</b> When an examinee's vision is worse than indicated below, it is likely the individual will not be able to perform the essential job functions; the examining provider should consider this in their assessment. (a) Using the individual's best optical correction, distance vision should be at least 20/30 in one eye and 20/100 in the other, or 20/40 in one eye and 20/70 in the other, and near vision should be correctable to 20/40 binocularly (botheyes open). Uncorrected binocular visual acuity should be at least 20/100. (b) Individuals should be able to discriminate between vivid red and green colors. (c) Individuals should have normal muscle balance, defined as the lack of strabismus (greater than 15 diopters), nystagmus, and diplopia. (d) Additionally, individuals should have at least a total horizontal visual field of 120 degrees and at least a total vertical visual field of 40 degrees (20 above the horizontal meridian and 20 below the horizontal meridian) in each eye. (e) Individuals should not have a history of abnormal night vision.</p>
0086	Security Clerical and Assistance Series	1	No	No	
0089	Emergency Management Series	5	Yes	Situational	
0090	Guide Series	6	No	No	
0095	Foreign Law Specialist Series	1	No	No	
0099	General Student Trainee Series	5	Yes	Situational	
0100	<b><u>Social Science, Psychology, and Welfare Group</u></b>				
0101	Social Science Series	1	No	No	
0102	Social Science Aid and Technician Series	1	No	No	
0105	Social Insurance Administration Series	1	No	No	
0107	Health Insurance Administration Series	1	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0110	Economist Series	1	No	No	
0119	Economics Assistant Series	1	No	No	
0130	Foreign Affairs Series	1	No	No	
0131	International Relations Series	1	No	No	
0132	Intelligence Series	5	Yes	No	
0134	Intelligence Aid and Clerk Series	5	Yes	No	
0150	Geography Series	5	Yes	No	
0170	History Series	5	Yes	No	
0180	Psychology Series	1	No	No	
0181	Psychology Aid and Technician Series	1	No	No	
0184	Sociology Series	1	No	No	
0185	Social Work Series	1	No	No	
0186	Social Services Aid and Assistant Series	1	No	No	
0187	Social Services Series	1	No	No	
0188	Recreation Specialist Series	5	Yes	Yes	
0189	Recreation Aid and Assistant Series	5	Yes	Yes	
0190	General Anthropology Series	5	Yes	Yes	
0193	Archeology Series	5	Yes	Yes	
0199	Social Science Student Trainee Series	1	No	No	
<b>0200</b>	<b>Human Resources Management Group</b>				
0201	Human Resources Management Series	1	No	No	
0203	Human Resources Assistance Series	1	No	No	
0241	Mediation Series	1	No	No	
0243	Apprenticeship and Training Series	1	No	No	
0244	Labor Management Relations Examining Series	1	No	No	
0260	Equal Employment Opportunity Series	1	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0299	Human Resources Management Student Trainee	1	No	No	
0300	<b><u>General Administrative, Clerical, and Office Services Group</u></b>				
0301	Miscellaneous Administration and Program Series	1	No	No	
0302	Messenger Series	3	Yes	No	
0303	Miscellaneous Clerk and Assistant Series	1	No	No	
0304	Information Receptionist Series	1	No	No	
0305	Mail and File Series	1	No	No	
0306	Government Information Series	1	No	No	
0309	Correspondence Clerk Series	1	No	No	
0312	Clerk-Stenographer and Reporter Series	1	No	No	
0313	Work Unit Supervising Series	1	No	No	
0318	Secretary Series	1	No	No	
0319	Closed Microphone Reporting Series	1	No	No	
0322	Clerk-Typist Series	1	No	No	
0326	Office Automation Clerical and Assistance Series	1	No	No	
0332	Computer Operation Series	1	No	No	
0335	Computer Clerk and Assistant Series	1	No	No	
0340	Program Management Series	1	No	No	
0341	Administrative Officer Series	1	No	No	
0342	Support Services Administration Series	1	No	No	
0343	Management and Program Analysis Series	1	No	No	
0344	Management and Program Clerical and Assistance Series	1	No	No	
0346	Logistics Management Series	1	No	No	
0350	Equipment Operator Series	5	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0351	Printing Clerical Series	1	No	No	
0356	Data Transcriber Series	1	No	No	
0357	Coding Series	1	No	No	
0359	Electric Accounting Machine Operation Series	1	No	No	
0360	Equal Opportunity Compliance Series	1	No	No	
0361	Equal Opportunity Assistance Series	1	No	No	
0362	Electric Accounting Machine Project Planning Series	1	No	No	
0382	Telephone Operating Series	1	No	No	
0390	Telecommunications Processing Series	1	No	No	
0391	Telecommunications Series	1	No	No	
0392	General Telecommunications Series	1	No	No	
0394	Communications Clerical Series	1	No	No	
0399	Administration and Office Support Student Trainee Series	1	No	No	
0400	<b><u>Natural Resources Management and Biological Sciences Group</u></b>				
0401	General Natural Resources Management and Biological Sciences	1	Yes	No	
0403	Microbiology Series	5	Yes	Yes	
0404	Biological Science Technician Series	5	Yes	Yes-BIO	
0405	Pharmacology Series	5	Yes	No	
0408	Ecology Series	5	Yes	Yes	
0410	Zoology Series	5	Yes	Situational	
0413	Physiology Series	5	Yes	No	
0414	Entomology Series	5	Yes	No	
0415	Toxicology Series	5	Yes	No	
0421	Plant Protection Technician Series	5	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0430	Botany Series	5	Yes	No	
0434	Plant Pathology Series	5	Yes	No	
0435	Plant Physiology Series	5	Yes	No	
0437	Horticulture Series	5	Yes	No	
0440	Genetics Series	5	Yes	No	
0454	Rangeland Management Series	5	Yes	Situational	
0455	Range Technician Series	5	Yes	Yes	
0457	Soil Conservation Series	5	Yes	No	
0458	Soil Conservation Technician Series	5	Yes	Yes	
0459	Irrigation System Operation Series	5	Yes	Yes	
0460	Forestry Series	5	Yes	Yes	
0462	Forestry Technician Series	5	Yes	Yes	<b>From OPM:</b> 1) For Smoke Jumpers: Individuals must be free from acute or chronic eye disease. Corrected distant vision must test at least 20/20 (Snellen) in one eye and at least 20/30 (Snellen) in the other. Individuals must be able to read printed material the size of typewritten characters, correction permitted. 2) For positions with pilot duties applicants must: Possess a current Class II Medical Certificate.
0470	Soil Science Series	5	Yes	No	
0471	Agronomy Series	5	Yes	Yes	
0480	Fish and Wildlife Administration Series	5	Yes	Yes	
0482	Fish Biology Series	5	No	No	
0483	Wildlife Refuge Management Series	5	Yes	Yes	<b>From OPM:</b> For positions with pilot duties applicants must: Possess a current Class II Medical Certificate.
0486	Wildlife Biology Series	5	Yes	Yes	<b>From OPM:</b> For positions with pilot duties applicants must: Possess a current Class II Medical Certificate.
0487	Animal Science Series	5	No	No	
0499	Biological Science Student Trainee Series	5	Yes	Yes-BIO	
0500	<b>Accounting and Budget Group</b>				

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0501	Financial Administration and Program Series	1	No	No	
0503	Financial Clerical and Assistance Program Series	1	No	No	
0505	Financial Management Series	1	No	No	
0510	Accounting Series	1	No	No	
0511	Auditing Series	1	No	No	
0525	Accounting Technician Series	1	No	No	
0526	Tax Specialist Series	1	No	No	
0530	Cash Processing Series	1	No	No	
0540	Voucher Examining Series	1	No	No	
0544	Civilian Pay Series	1	No	No	
0545	Military Pay Series	1	No	No	
0560	Budget Analysis Series	1	No	No	
0561	Budget Clerical and Technician Series	1	No	No	
0570	Financial Institution Examining Series	1	No	No	
0592	Tax Examining Series	1	No	No	
0593	Insurance Accounts Series	1	No	No	
0599	Financial Management Student Trainee Series	1	No	No	
0600	<b><u>Medical, Hospital, Dental, and Public Health Group</u></b>				
0601	General Health Science Series	5	Yes	No	
0602	Medical Officer Series	5	Yes	Yes	
0603	Physician's Assistant Series	5	Yes	No	
0610	Nurse Series	5	Yes	Yes	
0620	Practical Nurse Series	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0621	Nursing Assistant Series	5	Yes	Yes	
0622	Medical Supply Aide and Technician Series	5	Yes	Yes	
0625	Autopsy Assistant Series	5	Yes	Yes-Bio	
0630	Dietitian and Nutritionist Series	5	Yes	Situational	
0631	Occupational Therapist Series	5	Yes	Situational	
0633	Physical Therapist Series	5	Yes	No	
0635	Kinesiotherapy Series	5	No	No	
0636	Rehabilitation Therapy Assistant Series	5	Yes	No	
0637	Manual Arts Therapist Series	5	Yes	No	
0638	Recreational/Creative Arts Therapist Series	5	Yes	No	
0639	Educational Therapist Series	5	Yes	No	
0640	Health Aid and Technician Series	5	Yes	Yes	
0642	Nuclear Medicine Technician Series	4	Yes	No	
0644	Medical Technologist Series	4	Yes	Yes	
0645	Medical Technician Series	4	Yes	Yes	
0646	Pathology Technician Series	5	Yes	Yes	
0647	Diagnostic Radiologic Technologist Series	5	Yes	No	
0648	Therapeutic Radiologic Technologist Series	5	Yes	No	
0649	Medical Instrument Technician Series	5	Yes	Yes	
0650	Medical Technical Assistant Series	5	Yes	No	
0651	Respiratory Therapist Series	5	Yes	Yes	
0660	Pharmacist Series	5	Yes	Situational	<b>From OPM:</b> Applicants must be able to distinguish basic colors.
0661	Pharmacy Technician Series	5	Yes	No	
0662	Optometrist Series	5	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0664	Restoration Technician Series	5	Yes	No	<b>From OPM:</b> The duties of most positions require the ability to distinguish either basic or shades of colors; however, there may be a few positions that do not require this ability, and applicants with defective color vision may receive consideration for such positions.
0665	Speech Pathology and Audiology Series	5	Yes	No	
0667	Orthotist and Prosthetist Series	5	Yes	Yes	
0668	Podiatrist Series	5	Yes	No	
0669	Medical Records Administration Series	1	No	No	
0670	Health System Administration Series	1	No	No	
0671	Health System Specialist Series	1	No	No	
0673	Hospital Housekeeping Management Series	1	No	No	
0675	Medical Records Technician Series	1	No	No	
0679	Medical Support Assistance Series	1	No	No	
0680	Dental Officer Series	5	Yes	Yes	<b>From OPM:</b> Applicants must be able to distinguish shades of color.
0681	Dental Assistant Series	5	Yes	Yes	
0682	Dental Hygiene Series	5	Yes	Yes	
0683	Dental Laboratory Aid and Technician Series	5	Yes	Yes	
0685	Public Health Program Specialist Series	1	No	No	
0688	Sanitarian Series	5	Yes	Situational	
0690	Industrial Hygiene Series	5	Yes	Yes	
0696	Consumer Safety Series	5	Yes	No	
0698	Environmental Health Technician Series	5	Yes	Yes	
0699	Medical and Health Student Trainee Series	5	Yes	Yes	
0700	<b>Veterinary Medical Science Group</b>				

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0701	Veterinary Health Science Series	5	Yes	Yes	
0704	Animal Health Technician Series	5	No	Yes	
0799	Veterinary Student Trainee Series	5	Yes	Yes	
0800	<b>Engineering and Architectural Group</b>				
0801	General Engineering Series	5	Yes	Yes	
0802	Engineering Technician Series	5	Yes	No	
0803	Safety Engineering Series	5	Yes	Yes	
0804	Fire Protection Engineering Series	5	Yes	Situational	
0806	Materials Engineering Series	4	Yes	Yes	
0807	Landscape Architecture Series	5	Yes	Situational	
0808	Architecture Series	5	Yes	Situational	
0809	Construction Control Technical Series	5	Yes	Yes	
0810	Civil Engineering Series	5	Yes	Yes	
0817	Survey Technical Series	5	Yes	No	
0819	Environmental Engineering Series	5	Yes	No	
0828	Construction Analyst Series	5	Yes	No	
0830	Mechanical Engineering Series	5	Yes	Situational	
0840	Nuclear Engineering Series	5	Yes	Situational	
0850	Electrical Engineering Series	5	Yes	No	
0854	Computer Engineering Series	5	Yes	No	
0855	Electronics Engineering Series	5	Yes	No	
0856	Electronics Technical Series	3	Yes	Yes	
0858	Bioengineering and Biomedical Engineering Series	1	Yes	Yes-Bio	
0861	Aerospace Engineering Series	1	No	No	
0871	Naval Architecture Series	5	Yes	No	
0873	Marine Survey Technical Series	4	Yes	No	
0880	Mining Engineering Series	2	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0881	Petroleum Engineering Series	2	Yes	No	
0890	Agricultural Engineering Series	2	Yes	No	
0893	Chemical Engineering Series	2	Yes	Situational	
0895	Industrial Engineering Technical Series	5	Yes	No	
0896	Industrial Engineering Series	5	Yes	No	
0899	Engineering and Architectural Student Trainee Series	5	Yes	No	
0900	<b><u>Legal and Kindred Group</u></b>				
0901	General Legal and Kindred Administration Series	5	Yes	No	
0904	Law Clerk Series	1	No	No	
0905	General Attorney Series	5	No	No	
0920	Estate Tax Examining Series	5	No	No	
0930	Hearings and Appeals Series	5	No	No	
0945	Clerk of Court Series	1	No	No	
0950	Paralegal Specialist Series	1	No	No	
0958	Pension Law Specialist Series	1	No	No	
0962	Contact Representative Series	1	No	No	
0963	Legal Instruments Examining Series	1	No	No	
0965	Land Law Examining Series	1	No	No	
0967	Passport and Visa Examining Series	1	No	No	
0986	Legal Assistance Series Series	1	No	No	
0987	Tax Law Specialist Series	5	No	No	
0991	Workers Compensation Claims Examining Series	1	No	No	
0993	Railroad Retirement Claims Examining Series	1	No	No	
0994	Unemployment Compensation Claims Examining Series	1	No	No	
0996	Veteran Claims Examining Series	5	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
0998	Claims Assistance and Examining Series	1	No	No	
0999	Legal Occupations Student Trainee Series	1	No	No	
<b>1000</b>	<b>Information and Arts Group</b>				
1001	General Arts and Information Series	5	Yes	No	
1008	Interior Design Series	5	Yes	No	
1010	Exhibits Specialist Series	5	Yes	Situational	
1015	Museum Curator Series	5	Yes	No	
1016	Museum Specialist and Technician Series	5	Yes	No	
1020	Illustrating Series	5	Yes	No	
1021	Office Drafting Series	1	No	No	
1035	Public Affairs Series	1	No	No	
1040	Language Specialist Series	5	No	No	
1046	Language Clerical Series	5	No	No	
1051	Music Specialist Series	5	No	No	
1054	Theater Specialist Series	1	No	No	
1056	Art Specialist Series	5	Yes	No	
1060	Photography Series	5	Yes	Situational	
1071	Audiovisual Production Series	5	Yes	No	
1082	Writing and Editing Series	1	No	No	
1083	Technical Writing and Editing Series	1	No	No	
1084	Visual Information Series	5	Yes	No	
1087	Editorial Assistance Series	5	Yes	No	
1099	Information and Arts student Trainee Series	1	Yes	No	
<b>1100</b>	<b>Business and Industry Group</b>				
1101	General Business and Industry Series	1	No	No	
1102	Contracting Series	1	No	No	
1103	Industrial Property Management Series	1	No	Situational	
1104	Property Disposal Series	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1105	Purchasing Series	1	No	No	
1106	Procurement Clerical and Technician Series	1	No	No	
1107	Property Disposal Clerical and Technician Series	5	Yes	Yes	
1109	Grants Management	1	No	No	
1130	Public Utilities Specialist Series	5	Yes	No	
1140	Trade Specialist Series	1	No	No	
1144	Commissary Management Series	5	Yes	No	
1145	Agricultural Program Specialist Series	5	Yes	No	
1146	Agricultural Marketing Series	1	No	No	
1147	Agricultural Market Reporting Series	1	No	No	
1150	Industrial Specialist Series	5	Yes	No	
1152	Production Control Series	5	Yes	Situational	
1160	Financial Analysis Series	1	No	No	
1161	Crop Insurance Administration Series	1	No	No	
1162	Crop Insurance Underwriting Series	1	No	No	
1163	Insurance Examining Series	5	No	No	
1165	Loan Specialist Series	1	No	No	
1169	Internal Revenue Officer Series	1	No	No	
1170	Realty Series	5	Yes	No	
1171	Appraising Series	1	No	No	
1173	Housing Management Series	1	No	No	
1176	Building Management Series	5	No	No	
1199	Business and Industry Student Trainee	1	No	No	
1200	<b><u>Copyright, Patent, and Trademark Group</u></b>				
1202	Patent Technician Series	1	No	No	
1210	Copyright Series	1	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1211	Copyright Technician Series	1	No	No	
1220	Patent Administration Series	1	No	No	
1221	Patent Advisor Series	1	No	No	
1222	Patent Attorney Series	1	No	No	
1223	Patent Classifying Series	1	No	No	
1224	Patent Examining Series	1	No	No	
1226	Design Patent Examining Series	1	No	No	
1299	Copyright and Patent Student Trainee Series	1	No	No	
<b>1300</b>	<b><u>Physical Sciences Group</u></b>				
1301	General Physical Science Series	5	Yes	Yes	
1306	Health Physics Series	4	Yes	No	
1310	Physics Series	5	Yes	Yes	
1311	Physical Science Technician Series	5	Yes	Yes	
1313	Geophysics Series	5	Yes	No	
1315	Hydrology Series	5	Yes	No	
1316	Hydrologic Technician Series	5	Yes	Yes	
1320	Chemistry Series	2	Yes	Yes	
1321	Metallurgy Series	5	Yes	Yes	
1330	Astronomy and Space Science Series	5	Yes	No	
1340	Meteorology Series	5	Yes	No	
1341	Meteorological Technician Series	5	Yes	No	
1350	Geology Series	5	Yes	No	
1360	Oceanography Series	5	Yes	Yes	
1361	Navigational Information Series	5	Yes	No	
1370	Cartography Series	2	Yes	No	
1371	Cartographic Technician Series	2	Yes	No	
1372	Geodesy Series	5	Yes	No	
1373	Land Surveying Series	5	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1374	Geodetic Technician Series	5	Yes	No	
1380	Forest Products Technology Series	5	Yes	No	
1382	Food Technology Series	5	No	No	
1384	Textile Technology Series	5	Yes	No	
1386	Photographic Technology Series	5	Yes	No	
1397	Document Analysis Series	1	Yes	Yes	
1399	Physical Science Student Trainee Series	5	Yes	Yes	
<b>1400</b>	<b><u>Library and Archives Group</u></b>				
1410	Librarian Series	1	No	No	
1411	Library Technician Series	1	No	No	
1412	Technical Information Services	1	No	No	
1420	Archivist	5	Yes	No	
1421	Archives Technician Series	5	Yes	No	
1499	Library and Archives Student Trainee Series	1	No	No	
<b>1500</b>	<b><u>Mathematics and Statistics Group</u></b>				
1501	General Mathematics and Statistics Series	5	No	No	
1510	Actuarial Science Series	1	No	No	
1515	Operations Research Series	5	Yes	No	
1520	Mathematics Series	1	No	No	
1521	Mathematics Technician Series	1	No	No	
1529	Mathematical Statistics Series	1	No	No	
1530	Statistics Series	1	No	No	
1531	Statistical Assistant Series	1	No	No	
1540	Cryptography Series	1	No	No	
1541	Cryptanalysis Series	1	No	No	
1550	Computer Science Series	5	Yes	No	
1599	Mathematics and Statistics Student Trainee Series	1	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
<b>1600</b>	<b><u>Equipment, Facilities, and Services Group</u></b>				
<b>1601</b>	Equipment, Facilities, and Services Series	3	Yes	No	
<b>1603</b>	Equipment, Facilities, and Services Assistance Series	5	Yes	Yes	
<b>1630</b>	Cemetery Administration Services Series	1	No	No	
<b>1640</b>	Facility Operations Services Series	5	Yes	No	
<b>1654</b>	Printing Services Series	1	No	No	
<b>1658</b>	Laundry Operations Services Series	4	Yes	Situational	
<b>1667</b>	Food Services Series	5	No	No	
<b>1670</b>	Equipment Services Series	5	Yes	Yes	
<b>1699</b>	Equipment, Facilities, and Services Student Trainee Series	5	Yes	No	
<b>1700</b>	<b><u>Education Group</u></b>				
<b>1701</b>	General Education and Training Series	5	Yes	No	
<b>1702</b>	Education and Training Technician Series	5	Yes	No	
<b>1710</b>	Education and Vocational Training Series	5	Yes	No	
<b>1712</b>	Training Instruction Series	5	Yes	No	
<b>1715</b>	Vocational Rehabilitation Series	5	Yes	No	
<b>1720</b>	Education Program Series	5	Yes	No	
<b>1725</b>	Public Health Educator Series	1	No	No	
<b>1730</b>	Education Research Series	5	Yes	No	
<b>1740</b>	Education Services Series	5	Yes	No	
<b>1750</b>	Instructional Systems Series	1	No	No	
<b>1799</b>	Education Student Trainee Series	5	Yes	No	
<b>1800</b>	<b><u>Administrative Work in the Inspection, Investigation, Enforcement, and Compliance Group</u></b>				
<b>1801</b>	General Inspection, Investigation, Enforcement, and Compliance Series	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1801	Canine Enforcement Officer	5	Yes	Yes	<b>From OPM:</b> Applicants must meet the following requirements: Near vision - Must be at least 20/40 Snellen binocular (with or without corrective lenses). Binocular visual acuity must be at least 20/30 (corrected) and 20/100 (uncorrected). Color perception - Must be able to distinguish primary colors as defined by color perception plate tests. Individuals who have undergone refractive surgery must meet Treasury approved requirements which include documentation that they have passed specific exam and protocol testing.
1801	Surface Mining Reclamation Specialist	5	Yes	Yes	<b>From OPM:</b> Distant visual acuity must be at least 20/200 (Snellen) in each eye without glasses, and must be correctable to at least 20/30 in one eye and 20/50 in the other. Near visual acuity, corrected or uncorrected, must be sufficient to read Jaeger type 2 at 14 inches. Ability to distinguish basic colors, normal depth perception, and peripheral vision is required.
1802	Compliance Inspection and Support Series	5	Yes	No	
1805	Investigative Analysis Series	5	Yes	No	
1810	General Investigation Series	5	Yes	Situational	
1811	Criminal Investigation Series	5	Yes	Situational	<b>From OPM:</b> Sufficiently good vision in each eye, with or without correction, is required to perform the duties satisfactorily. Near vision, corrective lenses permitted, must be sufficient to read printed material of typewritten size.
1815	Air Safety Investigating Series	5	Yes	Yes	<b>From OPM:</b> Applicants for all positions must possess a current first or second class medical certificate in accordance with FAA regulations. Both meet the intent of the requirement.
1822	Mine Safety and Health Inspection Series	5	Yes	Yes	<b>From OPM:</b> Uncorrected distant vision must test at least 20/50 Snellen in one eye and 20/70 in the other, correctable with eyeglasses (contact lenses are not acceptable) to at least 20/30 in one eye and 20/50 in the other. Near vision must be sufficient to read without strain printed material of typewritten size. Normal depth perception and field of vision are required, as is the ability to distinguish basic colors.

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1825	Aviation Safety Series	5	Yes	Yes	<b>From OPM:</b> Applicants must have good distant vision in each eye and be able to read printed materials the size of typewritten characters (glasses and contact lenses permitted) without strain. In addition, applicants for positions that require participation in the operation of aircraft must: 1. Possess a valid second-class medical certificate in accordance with Federal Aviation Agency (FAA) regulations; and 2. Pass recurrent medical examinations as prescribed by the FAA.
1849	Wage and Hour Investigation Series	5	No	No	
1850	Agricultural Warehouse Inspection Series	5	Yes	No	<b>From OPM:</b> Good distant vision in one eye and ability to read without strain printed material the size of typewritten characters are required, corrective lenses permitted.
1860	Equal Opportunity Investigation Series	5	No	No	
1862	Consumer Safety Inspection Series	5	Yes	No	
1863	Food Inspection Series	5	Yes	No	<b>From OPM:</b> Individuals must not have disqualifying acute or chronic eye disease, including, but not limited to, diabetic retinopathy. Corrected distant vision must test at least 20/30 in one eye. Individuals must be able to read printed material the size of small type used in newspaper tabulations. Individuals must have clear and accurate depth perception.
1881	Customs and Border Protection Interdiction Series	5	Yes	Yes	<b>From OPM:</b> The medical and physical requirements under 5 CFR 339, "Medical Qualification Determinations," for law enforcement officers, such as criminal investigators, border patrol agents and detention officers, and the Aircraft Operation Series, 2181, must be met by individuals subsequent to appointment and for in-service placement actions, including reinstatement of former employees and transfers from positions not covered by this standard.
1889	Import Compliance Series	1	Yes	No	
1894	Customs Entry and Liquidating Series	1	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1895	Customs and Border Protection Series	1	Yes	Yes	<b>From OPM:</b> Applicants must meet the following requirements: Near vision - must be at least 20/40 Snellen binocular (with or without corrective lenses). Binocular visual acuity must be at least 20/30 (corrected) and 20/100 (uncorrected). Color perception - must be able to distinguish primary colors as defined by the Pseudo-isochromatic plate tests. Use of an x-chrome lens is not acceptable. Refractive surgery - individuals who have undergone refractive surgery (i.e., surgery to improve distant visual acuity) must meet approved requirements which include documentation that they have passed specific exam and protocol testing that may be required. LASIK- Must be free from residual effect three months post-procedure. For other procedures, must be free from residual effects one year after surgery.
1896	Border Patrol Enforcement Series	5	Yes	Yes	<b>From OPM:</b> Vision: binocular vision is required and must test 20/40 (Snellen) without corrective lenses. Uncorrected vision must test at least 20/70 in each eye. Vision in each eye must be corrected to 20/20. Near vision, corrected or uncorrected, must be sufficient to read Jaeger Type 2 at 14 inches. Ability to distinguish basic colors by pseudo-isochromatic plate test (missing no more than four plates) is required, as is normal peripheral vision. Based on the results of clinical studies of candidates who have undergone Radial Keratotomy eye operations to correct vision defects, the medical techniques of Radial Keratotomy or Orthokeratology will not be accepted as a means of meeting Border Patrol Agent vision requirements.
1899	Investigation Student Trainee Series	5	Yes	No	
1900	<b><u>Quality Assurance, Inspection, and Grading Group</u></b>				
1910	Quality Assurance Series	1	No	Situational	
1980	Agricultural Commodity Grading Series	1	Yes	No	
1981	Agricultural Commodity Aid Series	1	Yes	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
1999	Quality Inspection Student Trainee Series	1	No	Yes	
<b>2000</b>	<b><u>Supply Group</u></b>				
2001	General Supply Series	5	Yes	No	
2003	Supply Program Management Series	1	No	No	
2005	Supply Clerical and Technician Series	1	No	No	
2010	Inventory Management Series	1	No	Situational	
2030	Distribution Facilities and Storage Series	5	Yes	No	
2032	Packaging Series	3	Yes	Yes	
2050	Supply Cataloging Series	1	No	No	
2091	Sales Store Clerical Series	1	No	No	
2099	Supply Student Trainee Series	1	No	Yes	
<b>2100</b>	<b><u>Transportation Group</u></b>				
2101	Transportation Specialist Series	1	No	No	
2102	Transportation Clerk and Assistant Series	1	No	No	
2110	Transportation Industry Analysis Series	1	No	No	
2121	Railroad Safety Series	5	Yes	Situational	
2123	Motor Carrier Safety Series	5	Yes	Situational	
2125	Highway Safety Series	5	Yes	Situational	
2130	Traffic Management Series	5	Yes	Situational	
2131	Freight Rate Series	1	No	No	
2135	Transportation Loss and Damage Series	1	No	No	
2144	Cargo Scheduling Series	1	No	No	
2150	Transportation Operations Series	1	No	No	
2151	Dispatching Series	1	No	No	
2152	Air Traffic Control Series	5	Yes	No	<b>From OPM:</b> Applicants for initial employment to air traffic control specialist positions must meet the following requirements (Unless otherwise indicated, these requirements are identical for all specializations):

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
2152 (cont.)	<p><b>1. Visual Acuity:</b> a. Terminal and Center Positions -- Applicants must demonstrate distant and near vision of 20/20 or better (Snellen or equivalent) in each eye separately. If glasses or contact lenses are required, refractive error that exceeds plus or minus 5.50 diopters of spherical equivalent or plus or minus 3.00 diopters of cylinder is disqualifying. The use of orthokeratology or radial keratotomy methods is not acceptable for purposes of meeting this requirement. The use of contact lenses for the correction of near vision only or the use of bifocal contact lenses for the correction of near vision is unacceptable. b. Flight Service Station Positions-- Applicants must demonstrate distant and near vision of 20/20 or better (Snellen or equivalent) in at least one eye. If glasses or contact lenses are required, a refractive error in at least one eye that exceeds plus or minus 8.00 diopters of spherical equivalent will necessitate an ophthalmological consultation to establish absence of ocular pathology that could interfere with visual function. The use of contact lenses for the correction of near vision only or the use of bifocal contact lenses for the correction of near vision is unacceptable. (Equivalents in Near Visual Acuity Notations: Standard Test Chart: 14/14, Snellen Metric: 0.50M, Jaeger: J-1, Metric: 6/6)</p>				
	<p><b>2. Color Vision</b> -- For all specializations, applicants must demonstrate normal color vision.</p>				
	<p><b>3. Visual Fields:</b> a. Terminal and Center Positions -- Applicants must demonstrate a normal central visual field, i.e., the field within 30 degrees of the fixation point, in each eye. They must also demonstrate a normal peripheral visual field, i.e., the field of vision beyond the central field that extends 140 degrees in the horizontal meridian and 100 degrees in the vertical meridian, in each eye. b. Flight Service Station Positions -- Applicants must demonstrate a normal central field of vision, i.e., the field within 30 degrees of the fixation point, in at least one eye.</p>				
	<p><b>4. Intraocular Pressure:</b> For all specializations, if tonometry reveals either intraocular pressure greater than 20 mm of mercury, or a difference of 5 or more mm of mercury intraocular pressure between the two eyes, ophthalmological consultation is required to rule out the presence of glaucoma. If a diagnosis of glaucoma is made, or if any medication is routinely required for control of intraocular tension, the applicant is disqualified.</p>				
	<p><b>5. Phorias:</b> a. Terminal and Center Positions -- If an applicant demonstrates greater than 1-1/2 prism diopters of hyperphoria or greater than 10 prism diopters of esophoria or exophoria, evaluation by a qualified eye specialist is required. If this evaluation determines that bifoveal fixation and vergence-phoria relationships sufficient to prevent disruption of fusion under normal working conditions are not present, the applicant is disqualified. b. Flight Service Station Positions -- Applicants must demonstrate the absence of diplopia in the cardinal fields of gaze.</p>				
	<p><b>6. Eye Pathology:</b> For all specializations, if examination of either eye or adnexa reveals any form of glaucoma or cataract formation, uveitis, or any other acute or chronic pathological condition that would be likely to interfere with proper function or likely to progress to that degree, the applicant is disqualified.</p>				
	<p><b>7. Chronic Eye Disease:</b> For all specializations, an applicant with any chronic disease of either eye that may interfere with visual function is disqualified.</p>				
	<p><b>8. Ocular Motility:</b> For terminal and center specialist positions, applicants must demonstrate full extraocular motility.</p>				
	<p><b>9. History of Eye Surgery:</b> For all specializations, a history of ocular surgery requires ophthalmological consultation. If consultation indicates that the condition that necessitated surgery could interfere with the visual function necessary for performance as an air traffic control specialist, the applicant is disqualified. A history of radial keratotomy is disqualifying.</p>				

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
2154	Air Traffic Assistance Series	1	Yes	No	
2161	Marine Cargo Series	4	Yes	Yes	
2181	Aircraft Operation Series	5	Yes	No	<b>From OPM:</b> At the time of initial appointment, candidates for all pilot positions must possess a current first or second-class medical certificate in accordance with FAA regulations; both meet the intent of the requirement. If an agency decides, for example, not to accept the second-class medical certificate, the rationale for the decision should be based upon the requirements of the position, and should be thoroughly described in agency operating material. Staff specialists not involved in the operation of aircraft need only have a medical examination indicating that they are able to perform the duties of the position to be filled. For flight test pilots, airspace system inspection pilots, and Customs pilots, all candidates must possess a current first class medical certificate at the time of appointment.
2185	Aircrew Technician Series	1	Yes	Yes	
2199	Transportation Student Trainee Series	1	No	No	
2200	<b>Information Technology Group</b>				
2210	Information Technology Management	1	Yes	No	
2299	Information Technology Management Student Trainee	1	Yes	No	

## APPENDIX C: Wage Grade Vision Standards Table

Note: Job description classifiers for Wage Grade Series often use several Occupational Series codes for the same job description. In addition, often one Occupational Series code lists several different job descriptions. Utilize the job description that best describes the work your employee performs.

If the Vision Standard does not seem to fit your employee's responsibilities, remember that your team is the final authority for determining the most appropriate Vision Standard, Color Vision Requirements, and Protective Eyewear Requirements. For Normal Color Vision, the word "Yes" indicates enhanced visual performance is expected when color vision is normal. Where Eye Protection is listed as "Situational," not all jobs in the description will require protection and the local Occupational Health and Safety Personnel should determine the need. The table in this appendix is organized numerically by Occupational Series.

Wage Grade Occupational Series information comes from the OPM WG Classification and Qualification Standards and Army Position Descriptions accessed via the Army Civilian Personnel Office FASCLASS available at: <https://acpol2.army.mil/fasclass/inbox/default.asp>

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
<b>2500</b>	<b><u>Wire Communications Equipment Install and Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
2501	Communications Cable Mechanic	5	Yes	Yes	May require Commercial Driver's License
2502	Telecommunications Mechanic	5	Yes	Yes	May require Commercial Driver's License
2504	Wire Communications Cable Worker	5	Yes	Yes	
2508	Communications Line Installer-Repairer	5	Yes	Yes	
<b>2600</b>	<b><u>Electronic Equipment Install and Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
2601	Electronic Computer Equipment Mechanic	5	Yes	Yes	
2601	Electronic Equipment Fabricator	5	Yes	Yes	
2601	Electronic Industrial Equipment Installer-Repairer	5	Yes	Yes	
2601	Electro-Optic Mechanic	5	Yes	Yes	
2601	Weapon System Mechanic	5	Yes	Yes	
2602	Electronic Measurement Equipment Mechanic	2	Yes	Situational	Eye protection if repairing equipment
2602	Electronic Digital Computer Mechanic	2	Yes	Situational	Eye protection if repairing equipment
2602	Electronic Industrial Controls Mechanic	2	Yes	Situational	
2604	Electronics Mechanic	2	Yes	Situational	
2606	Electronic Integrated Systems Mechanic	5	Yes	Yes	
2608	Electronic Digital Computer Mechanic	5	Yes	No	
2610	Electronic Integrated Systems Repair	5	Yes	Situational	
<b>2800</b>	<b><u>Electrical Install and Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
2801	Facilities Electrician	5	Yes	Yes	
2805	Electrician	5	Yes	Yes	
2808	Electronics Digital Computer Mechanic	5	Yes	No	
2810	High Voltage Electrician	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
2854	Electrical Equipment Repairer	5	Yes	Yes	
2892	Aircraft Electrician	5	Yes	Yes	
<b>3100</b>	<b><u>Fabric and Leather Work</u></b>				
3101	Clothing Fitter	6	No	Situational	<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3101	Shoe Repairer	4	Yes	Yes	
3105	Fabric Worker	4	Yes	Yes	
3105	Fabric Worker (Hospital)	4	Yes	Situational	Possible biohazard
3106	Upholsterer	4	Yes	Situational	
3106	Upholsterer (Aviation)	5	Yes	Yes	
3111	Sewing Machine Operator	4	Yes	No	
<b>3300</b>	<b><u>Instrument Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3301	Projection Equipment Repairer	4	Yes	Situational	
3306	Optical Equipment Repairer	5	Yes	Yes	
3314	Instrument Maker	5	Yes	Situational	
3359	Instrument Mechanic	2	Yes	Situational	
<b>3400</b>	<b><u>Machine Tool Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3401	Assembler	4	Yes	Yes	
3401	Automotive Machinist	5	Yes	Yes	
3401	Machine Tool Work Inspector	5	Yes	Yes	
3401	Marker	5	Yes	Situational	
3414	Machinist	5	Yes	Yes	
3416	Toolmaker	5	Yes	Yes	
3417	Tool Grinder	5	Yes	Yes	
3422	Power Saw Operator	4	Yes	Yes	
3428	Die Sinker	4	Yes	Yes	
<b>3500</b>	<b><u>General Services and Support Work</u></b>				
3501	Trades Worker	4	Yes	Yes	<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3502	Laborer	6	No	Situational	
3511	Laboratory Worker	6	No	Situational	
3546	Railroad Repairer	6	No	Situational	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
3566	Custodial Worker	6	No	No	Requires occasional chemical splash PPE
<b>3600</b>	<b><u>Structural and Finishing Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3601	Asbestos Worker	6	No	Situational	
3601	Maintenance Finisher	6	No	Situational	
3601	Roads Maintenance Worker	3	Yes	Situational	
3602	Cement Worker	5	Yes	Yes	
3603	Mason	5	Yes	Yes	
3605	Plasterer	5	Yes	Yes	
3606	Roofer	5	Yes	Yes	
3610	Insulator	6	No	Situational	
3611	Glazier	5	Yes	Yes	
3653	Asphalt Worker	3	Yes	Situational	
<b>3700</b>	<b><u>Metal Processing</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3701	Furnace Operator	6	No	Situational	
3701	Metal Processor (Cold forming)	5	Yes	Yes	
3701	Welding and Sheet Metal Jig and Fixture Builder	5	Yes	Yes	
3703	Welder	5	Yes	Yes	
3703	Welder (Explosives Operator)	5	Yes	Yes	
3705	Nondestructive Tester	3	Yes	Situational	
3707	Metalizing Equipment Operator	4	Yes	Situational	Possible radiant energy protection
3711	Electroplater	2	Yes	Situational	
3712	Heat Treater	5	Yes	Situational	
3725	Battery Repairer	5	Yes	Yes	Chemical splash protection required
3727	Burrer and Polisher	4	Yes	Yes	
3735	Metal Photo Worker	2	Yes	Situational	May require chemical splash protection
3769	Shot Peening Machine Operator	5	Yes	Yes	
<b>3800</b>	<b><u>Metal Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3801	Aircraft Pattern, Jig, and Fixture Builder	2	Yes	Yes	
3801	Blacksmith-Ferrier	5	Yes	Yes	

<b>SERIES</b>	<b>POSITION TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
3801	Building Mechanic	3	Yes	Yes	
3801	Metal Fabrication Worker	2	Yes	Yes	
3801	Metal Work Inspector	2	Yes	Yes	
3801	Milvan Container Inspector	2	Yes	Yes	
3801	Rotary Forge Operator	4	Yes	Yes	May require IR eye protection
3802	Metal Forger	4	Yes	Yes	
3606	Metal Fabrication Inspector	2	Yes	Yes	
3806	Sheet Metal Mechanic - Aircraft	4	Yes	Yes	
3806	Sheet Metal Mechanic	5	Yes	Yes	
3806	Sheet Metal Worker	5	Yes	Yes	
3807	Structural Iron Worker	5	Yes	Yes	
3808	Boilermaker	5	Yes	Yes	
3809	Mobile Equipment Metal Mechanic	5	Yes	Yes	
3809	Mobile Equipment Metal Worker	5	Yes	Yes	
3816	Engraver	2	Yes	Situational	
3816	Engraving Machine Operator	2	Yes	Situational	
3858	Radiator and Fuel Tank Repairer	5	Yes	Yes	
3869	Metal Forming Machine Operator	4	Yes	Situational	
3872	Metal Tube Maker-Installer-Repairer	4	Yes	Yes	
<b>3900</b>	<b><u>Motion Picture, Radio, Television, Sound Equipment Operating</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
3901	Audio-Visual Equipment Operator	4	Yes	No	
3901	Public Address System Operator	4	Yes	No	
3901	Video-Teleconferencing Operator	4	Yes	No	
3940	Broadcast Equipment Operator	4	Yes	No	
<b>4100</b>	<b><u>Painting and Paperhanging</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
4101	Finishing Inspector	2	Yes	Yes	
4101	Sign Fabricator and Installer	4	Yes	Yes	
4102	Painter	4	Yes	Yes	
4102	Painting Worker	4	Yes	Situational	
4104	Sign Painter	5	Yes	Yes	<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
<b>4200</b>	<b><u>Plumbing and Pipefitting</u></b>				
4201	Fire Extinguishing Systems Mechanic	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
4204	Pipefitter	5	Yes	Yes	
4204	Pipefitter-Water Treatment Plant Operator	5	Yes	Yes	
4206	Plumber	5	Yes	Yes	
4206	Plumbing Repair Inspector	2	Yes	Situational	
4255	Fuel Distribution Systems Mechanic	4	Yes	Situational	
<b>4300</b>	<b><u>Pliable Materials Work</u></b>				
4301	Pliable Materials and Fabric Worker	4	Yes	Situational	
4301	Rubber Injection Molding Machine Operator	4	Yes	Yes	
4301	Tire and Tube Inspector-Repairer	4	Yes	Yes	Chemical hazard exposure
4352	Composite/Plastic Fabricator	5	Yes	Yes	
4400	Printing				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
4401	Embossing Machine Operator	7 (VDT)	No	No	
4402	Binding Machine Operator	6	No	No	
4414	Offset Printer	2	Yes	No	
4417	Offset Press Operator	2	Yes	No	
4419	Silk Screen Printer	2	Yes	Situational	<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
<b>4600</b>	<b><u>Wood Work</u></b>				
4601	Building Craftsman	5	Yes	Yes	
4602	Blocker and Bracer	5	Yes	Yes	
4604	Wood Worker	5	Yes	Yes	
4605	Wood Crafter	5	Yes	Yes	
4607	Carpenter	5	Yes	Yes	
4616	Patternmaker	5	Yes	Yes	
<b>4700</b>	<b><u>General Maintenance and Operations Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
4701	Athletic Facilities Caretaker	3	Yes	Situational	
4701	Filter Plant Production Operator	5	Yes	Yes	
4701	General Maintenance and Repair Inspector	5	Yes	Yes	
4701	Maintenance Worker	5	Yes	Yes	
4701	Range Maintenance Worker	5	Yes	Situational	
4701	Target System Operator	4	Yes	No	
4714	Model Maker	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
4715	Exhibits Maker	5	Yes	Yes	
4716	Railroad Car Repairer	5	Yes	Yes	
4737	General Equipment Mechanic	3	Yes	Situational	
4737	Recreation Equipment Mechanic	3	Yes	Situational	
4737	Target Systems Mechanic	5	Yes	Yes	
4742	Utility Systems Repairer	5	Yes	Yes	Chemical splash potential
4745	Research Laboratory Mechanic	5	Yes	Yes	
4749	Maintenance Mechanic	5	Yes	Yes	
4754	Cemetery Caretaker	3	Yes	Situational	
<b>4800</b>	<b><u>General Equipment Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
4801	Aerial Life Support System Mechanic	5	Yes	Situational	
4801	Airfield Ground Equipment Worker	3	Yes	No	
4801	General Equipment Maintenance Mechanic	5	Yes	Yes	
4801	Organ Installer	2	Yes	No	
4801	Photocopier Repairer	2	Yes	No	
4801	Safety and Protective Equipment Mechanic	5	Yes	Situational	
4801	Target Systems Mechanic	5	Yes	Yes	
4801	Training Aids Equipment Repairer	5	Yes	Situational	
4804	Locksmith	2	Yes	No	
4805	Medical Equipment Repairer	5	Yes	Yes	
4807	Chemical Equipment Repairer	5	Yes	Yes	
4812	Saw Reconditioner	5	Yes	Yes	
4816	Incident Response Equipment Repairer	5	Yes	Yes	
4816	Protective and Safety Equipment Repairer	5	Yes	No	
4816	Protective Equipment Repairer	5	Yes	No	
4818	Aircraft Survival and Flight Equipment Repairer	5	Yes	No	
4819	Bowling Equipment Repairer	6	Yes	No	
4840	Tool and Equipment Repairer	5	Yes	Yes	
4840	Toolroom Mechanic	5	Yes	Situational	
4848	Mechanical Parts Repairer	6	No	Situational	
4850	Bearing Reconditioner	2	Yes	No	
4855	Domestic Appliance Repairer	5	Yes	Yes	
<b>5000</b>	<b><u>Plant and Animal Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color

<b>SERIES</b>	<b>POSITION TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
5001	Animal Control Officer	6	No	No	
5001	Grounds Maintenance inspector	5	Yes	No	
5003	Gardiner	6	No	No	Possible toxic chemical exposure
5026	Pest Controller	6	No	No	Possible toxic chemical exposure
5035	Range Rider	5	Yes	No	
5042	Tree Maintenance Worker	5	Yes	Yes	Possible toxic chemical exposure
5048	Animal Caretaker	6	No	No	
5048	Waste Water Plant Operator	6	No	No	
<b>5200</b>	<b><u>Miscellaneous Occupations</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
5201	Asbestos Remover	5	Yes	Yes	
5201	Hazardous Materials Mechanic	5	Yes	Yes	May be exposed to CBRNE agents
5201	Target Systems Operator	20/20**	Yes	Yes	**Specific job description requirement
5205	Gas and Radiation Detecting Operator	5	Yes	Yes	Possible toxic chemical exposure
5205	Monitoring Systems Mechanic	5	Yes	Yes	Possible toxic chemical exposure
5205	Toxic Detection Equipment Operator	5	Yes	No	Possible toxic chemical exposure
5210	Rigger	5	Yes	Yes	
<b>5300</b>	<b><u>Industrial Equipment Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
5301	Climate Control Equipment Mechanic	5	Yes	Yes	
5301	Equipment Installer	5	Yes	Yes	
5301	Heating and Air-conditioning Equipment Mechanic	5	Yes	Yes	
5301	Industrial Equipment Maintenance Mechanic	5	Yes	Situational	
5301	Lifting Device Inspector	5	Yes	Yes	
5301	Munitions Assembly Servicer-Repairer	5	Yes	Yes	
5301	Production Equipment Mechanic	5	Yes	Situational	
5301	Specialized Heavy Industrial Equipment mechanic	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
5301	Trades Worker	5	Yes	Yes	
5301	Utility Systems Repairer	5	Yes	Yes	
5301	Water Pump Repairer	5	Yes	Yes	
5306	Air Conditioning Equipment Mechanic	5	Yes	Yes	
5309	Boiler Plant Equipment Repairer	5	Yes	Yes	
5310	Kitchen and Bakery Equipment Repairer	5	Yes	Yes	
5313	Elevator Maintenance and Repair Inspector	5	Yes	Yes	
5317	Laundry and Dry Cleaning Equipment Repairer	5	Yes	Yes	
5318	Dam Equipment Repairer	3	Yes	Situational	
5318	Lock and Dam Equipment Repairer	5	Yes	Situational	
5323	Lubrication Worker	6	Yes	Situational	
5323	Oiler and Greaser	6	Yes	No	
5334	Marine Machinery Mechanic	5	Yes	Yes	
5335	Wind Tunnel Mechanic	6	Yes	Situational	
5350	Production Machinery Mechanic	5	Yes	Yes	
5350	Production machinery Repairer	5	Yes	Yes	
5352	Industrial Equipment Mechanic	5	Yes	Yes	
5352	Power Plant mechanic	5	Yes	Yes	
5364	Door Systems Mechanic	5	Yes	Yes	
5378	Powered Support Systems Mechanic	5	Yes	Yes	
<b>5400</b>	<b><u>Industrial Equipment Operation</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
5401	Automatic Sand Handling Equipment Operator	3	Yes	Yes	
5401	Carton Making Machine Operator	6	No	No	
5401	Central Console Operator	7 (VDT)	No	No	
5401	Decontamination Plant Operator	4	Yes	No	
5401	Dredge Equipment Operator	3	Yes	Yes	
5401	Dry Dock Operator	3	Yes	Situational	
5401	Hydroblaster Operator	4	Yes	Yes	
5401	Incinerator Operator	4	Yes	Yes	
5401	Industrial Waste Disposal Plant Operator	4	Yes	Yes	Chemical splash potential
5401	Oil Reclamation Equipment Operator	3	Yes	Yes	
5401	Rubber Denuding System Operator	4	Yes	Yes	
5401	Sanitary Equipment Operator	3	Yes	Situational	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
5401	Stripping Equipment Operator	4	Yes	Situational	
5401	Swimming Pool Operator	4	Yes	Yes	
5401	Water-Electric Distribution Systems Operator	4	Yes	No	
5401	Waste Water Systems Mechanic	5	Yes	Yes	
5402	Boiler Plant Operator	5	Yes	Yes	
5406	Utility Systems Operator	5	Yes	Yes	Chemical splash potential
5407	Electric Power Controller	5	Yes	Yes	
5408	Wastewater Treatment Plant Operator	4	Yes	Yes	Chemical splash potential
5409	Water Treatment Plant Operator	4	Yes	Yes	
5413	Fuel Distribution Operator	4	Yes	Situational	
5415	Air Conditioning Equipment Operator	5	Yes	Situational	
5415	Cold Storage Plant Operator	5	Yes	Yes	
5419	Stationary Equipment Operator	6	No	No	
5423	Sandblaster	5	Yes	Yes	
5427	Chemical Plant Worker	4	Yes	Yes	Chemical splash potential
5439	Protective Equipment Tester	4	Yes	Yes	
5439	Radiographer and Nondestructive Testing Specialist	5	Yes	Yes	
5439	Toxic Test Equipment Operator	4	Yes	Yes	
5440	Packaging Machine Operator	4	Yes	No	
<b>5700</b>	<b><u>Transportation-Mobile Equipment Operation</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
5701	Container Handler Operator	3	Yes	Situational	
5701	Mobile Equipment Driver Examiner	3	Yes	No	
5701	Mobile Equipment Operator	3	Yes	No	
5701	Power Scrubber Operator	6	No	No	
5701	Mobile Industrial Equipment Operator	3	Yes	No	
5701	Range Maintenance Equipment Operator	6	No	Situational	
5701	Road Sweeper Operator	3	Yes	No	
5701	Yardmaster	4	Yes	No	
5703	Motor Vehicle Operator	3	Yes	No	
5704	Forklift Operator	3	Yes	No	
5705	Tractor Operator	3	Yes	No	
5706	Road Sweeper Operator	3	Yes	No	
5716	Engineering Equipment Operator	3	Yes	No	
5725	Crane Operator	3	Yes	No	
5729	Drill Rig Operator	3	Yes	Situational	
5736	Braker-Switcher-rail	6	No	No	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
5736	Conductor-rail	6	No	No	
5737	Locomotive Engineer	3	Yes	Yes	
5738	Railroad Maintenance Vehicle Operator	5	Yes	Yes	
5786	Boat Operator/Small Craft Operator	3	Yes	No	
5788	Deckhand	6	No	Yes	
<b>5800</b>	<b><u>Transportation-Mobile Equipment Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
5801	Fuel and Electrical Systems Repairer	5	Yes	Yes	
5801	Marine Equipment Repairer	5	Yes	Yes	
5801	Materials Handling Equipment Repairer	5	Yes	Yes	
5801	Mechanical Equipment Repairer	5	Yes	Yes	
5801	Mobile and Powered Systems Equipment Mechanic	5	Yes	Yes	
5801	Mobile Equipment Repairer	5	Yes	Yes	
5801	Outboard Motor Repairer	5	Yes	Yes	
5801	Supply and Equipment Inspector	5	Yes	Yes	
5801	Vehicle and Equipment Inspection Mechanic	5	Yes	Yes	
5803	Heavy Equipment Repairer	5	Yes	Yes	
5803	Heavy Mobile Equipment Mechanic	5	Yes	Yes	
5806	Mobile Equipment Servicer	5	Yes	Yes	
5823	Automotive Mechanic	5	Yes	Yes	
5876	Electromotive Equipment Mechanic	5	Yes	Yes	
<b>6500</b>	<b><u>Ammunition, Explosives, and Toxic Materials Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
6501	Ammunition Inspector	5	Yes	Yes	
6501	Explosives Handler	5	Yes	Yes	
6501	Hazardous Materials Handler	5	Yes	Yes	
6501	Industrial Worker	5	Yes	Yes	
6501	Munitions Inspector	5	Yes	Yes	
6501	Toxic Material Control Operator	5	Yes	Yes	
6502	Explosives and Materials Handler	5	Yes	Yes	
6502	Explosives Operator	5	Yes	Yes	
6505	Munitions Destroyer	5	Yes	Yes	
6511	Munitions Handler	5	Yes	Yes	
6511	Toxic Materials Handler	5	Yes	Yes	Chemical splash potential
6517	Explosives Test Operator	5	Yes	Yes	

SERIES	POSITION TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
<b>6600</b>	<b><u>Armament Work</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
6601	Armament Equipment Repairer	5	Yes	Yes	
6601	Artillery and Small Arms Repairer	5	Yes	Yes	
6601	Mobility Equipment Armament Tester	5	Yes	Yes	
6605	Artillery Repairer	5	Yes	Yes	
6606	Artillery Tester	5	Yes	Yes	
6610	Small Arms Repairer	5	Yes	Yes	
6641	Ordnance Equipment Mechanic	5	Yes	Yes	
6652	Aircraft Ordnance Inspector	5	Yes	Yes	
<b>6900</b>	<b><u>Warehousing and Stock Handling</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
6901	Audio-Visual Equipment Handler	6	Yes	No	
6901	Billeting Worker	6	No	No	
6901	Boot and Shoe Fitter	6	No	No	
6901	Clothing Issue Worker	6	No	No	
6901	Hazardous Materials Handler	3	Yes	Yes	
6901	Linen Service Worker	6	No	No	
6901	Medal Assembler and Examiner	2	Yes	No	
6901	Medical Supply Worker	4	Yes	No	
6901	Petroleum Products Worker	5	Yes	Yes	
6901	Stock Room Attendant	6	Yes	No	
6904	Tools and Parts Attendant	3	Yes	Situational	
6907	Material Handler	3	Yes	No	
6910	Materials Expediter	3	Yes	Situational	
6912	Materials Examiner and Identifier	3	Yes	Yes	
6913	Hazardous Waste Disposer	4	Yes	Situational	
6914	Store Worker	6	Yes	No	
6968	Aircraft Freight Loader	3	Yes	Situational	
<b>7000</b>	<b><u>Packing and Processing</u></b>				
7001	Equipment Cleaner and Preservation Packaging	4	Yes	Yes	
7001	Equipment Processor	4	Yes	Yes	
7001	Packaging and Processing Worker	4	Yes	No	
7002	Packer	3	Yes	Situational	
7006	Preservation Servicer	4	Yes	Yes	
7009	Equipment Cleaner	4	Yes	Yes	
<b>7300</b>	<b><u>Laundry, Dry Cleaning, and Pressing</u></b>				

<b>SERIES</b>	<b>POSITION TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
7301	Presser	4	Yes	No	
7304	Laundry Worker	4	Yes	No	
7305	Laundry Machine Operator	4	Yes	No	
7306	Presser	4	Yes	No	
<b>7400</b>	<b><u>Food Preparation and Serving</u></b>				
7401	Meat Expediter	3	Yes	No	
7402	Baker	4	Yes	Situational	
7404	Cook	4	Yes	Situational	
7407	Meat cutter	4	Yes	No	
7408	Food Service Worker	6	Yes	No	
7420	Waiter	4	Yes	No	
<b>7600</b>	<b><u>Personal Services</u></b>				
7601	Barber	4	Yes	No	
7601	Sexton	6	No	No	
7603	Barber	4	Yes	No	
<b>8200</b>	<b><u>Fluid Systems Maintenance</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
8201	Artillery Hydro-pneumatic Systems Mechanic	5	Yes	Yes	
8355	Pneudraulic Systems Mechanic	5	Yes	Yes	
8268	Aircraft Pneudraulic Systems Mechanic	5	Yes	Yes	
<b>8600</b>	<b><u>Engine Overhaul</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
8602	Aircraft Engine Mechanic	5	Yes	Yes	
8610	Marine Equipment Repairer	5	Yes	Yes	
8610	Small Engine Mechanic	5	Yes	Yes	
<b>8800</b>	<b><u>Aircraft Overhaul</u></b>				<b>From OPM:</b> Some positions require the ability to distinguish either basic or shades of color
8801	Aircraft Mechanical Test Operator	5	Yes	Yes	
8801	Aircraft Refueler	4	Yes	Situational	
8801	Aircraft Structures Modification Mechanic	5	Yes	Yes	
8810	Aircraft Mechanic-Propeller-rotor	5	Yes	Yes	
8840	Aircraft Mechanical Parts Repairer	5	Yes	Yes	
8852	Aircraft Mechanic	5	Yes	Yes	
8862	Aircraft Attendant	6	No	No	

## APPENDIX D: Army Enlisted Vision Standards Table

Note: The information presented in the table of this appendix is taken directly from the DA Pam 611-21, Smartbook, Chapters 10B (Enlisted MOS Physical Requirements) and 10C (Enlisted MOS Specifications). Comments are taken directly from the Physical Requirements and/or Specifications. Color vision requirements are stated as Normal, Red/Green, or no requirement is listed. This table refers to initial selection requirements unless otherwise noted. Retention requirements in general are less stringent and can be found in AR 40-501. Eye protection vision standards and requirements are based on the author's estimation of the job requirements as stated. The local vision conservation team ultimately determines if our estimations apply based on the specific requirements at your installation. For training and deployment purposes, all enlisted soldiers should be using an MCEP device from the APEL.

The DA Pam 611-21, Smartbook, is available online at:  
<https://www.milsuite.mil/book/groups/smartbookdapam611-21>

MOS	JOB TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
09L	Interpreter / Translator	1	R/G	No	Must pass one of the three authorized color vision tests administered by an Optometrist: the Pseudo-Isochromatic Plates test, the Farnsworth Lantern test, or the OPTEC 900 Color Vision test.
11B	Infantryman	4	R/G	Yes	Correctable vision of 20/20 in one eye and 20/100 in the other. Frequently visually identifies vehicles and equipment at 1000 meters and individuals at 300 meters.
11C	Indirect Fire Infantryman	6	R/G	Yes	Correctable vision of 20/20 in one eye and 20/100 in the other. Frequently visually identifies vehicles and equipment at 1000 meters and individuals at 300 meters.
11Z	Infantry Senior Sergeant	6	R/G	Yes	Frequently visually identifies vehicles and equipment at 1000 meters and individuals at 300 meters.
12A	Engineer Senior Sergeant	5	No	Yes	
12B	Combat Engineer	5	Yes	Yes	
12C	Bridge Crewman	6	Yes	Yes	
12D	Diver	5	R/G	Yes	<b>From AR 40-501: For Engineer Diver initial selection - Distance acuity not worse than 20/200, near acuity not worse than 20/50, both correctable to 20/20 each eye. For retention - Have visual acuity, near and far, that corrects to 20/30 in the better eye. For Special Forces and Ranger combat diving initial selection - Distant visual acuity that does not correct to 20/20 in both eyes with spectacle lenses. Any refractive error in spherical equivalent of worse than +/- 8 diopters. Failure to pass the PIP set for color vision unless the applicant is able to identify vivid red and vivid green as projected by the Ophthalmological Projector or the SVT. Any history LASIK surgery or similar operations is disqualifying. See also AR 611-75.</b>

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
12G	Quarrying Specialist	3	Yes	Yes	Must possess normal depth perception.
12H	Construction Engineering Supervisor	4	No	Yes	Frequently reads and interprets complex drawings and specifications.
12K	Plumber	5	Yes	Yes	
12M	Firefighter	3	Yes	Yes	
12N	Horizontal Construction Engineer	3	R/G	Yes	Must possess normal depth perception.
12P	Prime Power Production Specialist	2	Yes	Yes	Normal color vision, to include the ability to distinguish between red and green and good eye hand coordination. Frequently reads complex schematic diagrams.
12Q	Powerline Distribution Specialist	2	Yes	Yes	
12R	Interior Electrician	5	Yes	Yes	
12T	Technical Engineer	4	Yes	No	
12V	Concrete and Asphalt Equipment Operator	3	R/G	Yes	Must possess normal depth perception.
12W	Carpentry and Masonry Specialist	5	Yes	Yes	Frequently reads and interprets complex drawings and specifications.
12X	General Engineering Supervisor	4	No	No	
12Y	Geospatial Engineer	1	Yes	No	No worse than 175 seconds of arc visual stereoscopic acuity or a pass rating on a stereoscopic/depth perception exam.
12Z	Combat Engineering Senior Sergeant	5	Yes	Yes	
13B	Cannon Crewmember	6	R/G	Yes	Constantly utilizes visual sighting devices.
13D	Field Artillery Automated Tactical Data Systems Specialist	4	R/G	No	
13F	Fire Support Specialist	6	Yes	Yes	Frequently uses binoculars, lasers and other optical sighting devices to identify vehicles, equipment, and individuals at long distances.
13M	Multiple Launch Rocket System (MLRS) / High Mobility Artillery Rocket System EM (HIMARS) Crewmember	6	R/G	Yes	

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
13P	MLRS Operational Fire Direction Specialist	4	R/G	Yes	
13R	Filed Artillery Firefinder Radar Operator	4	Yes	No	
13T	Field Artillery Surveyor / Meteorological Crewmember	2	Yes	No	
13Z	Field Artillery Senior Sergeant	6	R/G	No	
14E	PATRIOT Fire Control Enhanced Operator/Maintainer	4	Yes	Yes	
14G	Air Defense Battle Management System Operator	4	Yes	Yes	
14H	Air Defense Enhanced Early Warning Operator	4	Yes	Yes	
14S	Air and Missile Defense Crewmember	4	Yes	Yes	Distance vision correctable to 20/20 each eye without multifocal lenses.
14T	PATRIOT Launching Station Enhanced Operator/Maintainer	4	Yes	Yes	
14Z	Air Defense Artillery Senior Sergeant	1	R/G	No	
15B	Aircraft Powerplant Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15D	Aircraft Powertrain Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15E	Unmanned Aircraft Systems Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and schematic diagrams.
15F	Aircraft Electrician	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15G	Aircraft Structural Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15H	Aircraft Pneudraulics Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15J	OH-58D Armament/Electrical/Avionics Systems Repairer	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.

MOS	JOB TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
15K	Aircraft Components Repair Supervisor	5	Yes	Yes	Must read detailed technical manuals.
15N	Avionic Mechanic	5	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15P	Aviation Operations Specialist	2	Yes	No	
15Q	Air Traffic Control Operator	4	Yes	No	Must be able to meet Army Class 4 medical fitness standards for flying as prescribed in AR 40-501.
15R	AH 64 Attack Helicopter Repairer	2	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15S	OH-58D Helicopter Repairer	2	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15T	UH-60 Helicopter Repairer	2	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15U	CH-47 Helicopter Repairer	2	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15V	Observation/Scout Helicopter Repairer	2	Yes	Yes	Frequently reads detailed technical manuals.
15W	Unmanned Aircraft Systems Operator	2	Yes	No	Constantly visually observes, screens, dials, meters and gauges to monitor equipment performance.
15X	AH-64A Armament / Electrical / Avionic Systems Repairer	2	Yes	Yes	
15Y	AH-64D Armament / Electrical / Avionic Systems Repairer	2	Yes	Yes	Frequently reads and interprets detailed technical manuals and drawings.
15Z	Aircraft Maintenance Senior Sergeant	2	Yes	Yes	Must read detailed technical manuals.
18B	Special Forces Weapons Sergeant	6	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.
18C	Special Forces Engineer Sergeant	1	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.

MOS	JOB TITLE	VISION STD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
18D	Special Forces Medical Sergeant	5	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.
18E	Special Forces Communications Sergeant	2	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.
18F	Special Forces Assistant Operations and Intelligence Sergeant	2	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.
18Z	Special Forces Senior Sergeant	2	R/G	Yes	Frequently visually identifies vehicles, equipment, individuals at a long distance. <b>From AR 40-501</b> Distance visual acuity correctable to 20/20 in both eyes. Refractive error not worse than +/- 8.
19D	Cavalry Scout	6	Yes	Yes	Correctable vision of 20/20 in one eye and 20/100 in the other.
19K	M1 Armor Crewman	6	Yes	Yes	Correctable vision of 20/20 in one eye and 20/100 in the other.
19Z	Armor Senior Sergeant	6	R/G	Yes	
25B	Information Technology Specialist	1	Yes	No	
25C	Radio Operator - Maintainer	2	Yes	Yes	
25D	Cyber Network Defender	1	Yes	No	Frequently reads complex technical documents.
25E	Electromagnetic Spectrum Manager	1	Yes	No	
25L	Cable Systems Installer - Maintainer	2	Yes	Yes	
25M	Multimedia Illustrator	1	Yes	No	Must possess good hand/eye coordination.
25N	Nodal Network Systems Operator-maintainer	2	Yes	Yes	
25P	Microwave Systems Operator - Maintainer	2	Yes	Yes	Frequently reads complex schematic diagrams.

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
25Q	Multichannel Transmission Systems Operator-Maintainer	2	Yes	Yes	
25R	Visual Information Equipment Operator	2	Yes	No	Must possess good hand/eye coordination.
25S	Satellite Communications Systems Operator-Maintainer	2	Yes	Yes	Frequently reads complex schematic diagrams.
25T	Satellite/Microwave Systems Chief	2	Yes	No	Frequently reads complex schematic diagrams.
25U	Signal Support Systems Specialist	2	Yes	Yes	
25V	Combat Documentation/ Production Specialist	2	Yes	No	Depth perception: Normal binocular vision for fine close work as determined by the Armed Forces Vision Tester. Must possess good hand/eye coordination.
25W	Telecommunications Operations Chief	2	Yes	No	Frequently reads complex schematic diagrams.
25X	Chief Signal NCO	2	Yes	No	Frequently reads complex schematic diagrams.
25Z	Visual Information Operations Chief	2	Yes	No	
27D	Paralegal Specialist	1	No	No	Frequently reviews documents and correspondence.
29E	Electronic Warfare Specialist	1	Yes	No	
31B	Military Police	3	R/G	Yes	Frequently writes reports and compiles data.
31D	CID Special Agent	3	Yes	Yes	Frequently writes reports and compiles data.
31E	Internment / Resettlement Specialist	6	R/G	Yes	
31K	Military Working Dog (MWD) Handler	3	R/G	Yes	Frequently writes reports and compiles data.
35F	Intelligence Analyst	2	Yes	No	Constantly reviews documents.
35G	Geospatial Intelligence Imagery Analyst	2	Yes	No	Distance vision correctable to 20/20. Must have normal stereoscopic acuity (depth perception), and receive a "Pass" rating of "D", "E" or "F" on the Armed Forces Vision Test (AFVT) with or without correction. Must possess hand / eye coordination.

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
35L	Counter Intelligence Agent	5	Yes	No	Frequently reviews documents.
35M	Human Intelligence Collector	5	Yes	No	Constantly reviews documents.
35N	Signals Intelligence Analyst	5	Yes	No	Constantly reviews documents.
35P	Cryptologic Linguist	5	Yes	No	Frequently reviews documents.
35Q	Cryptologic Network Warfare Specialist	5	Yes	NO	Constantly reviews documents.
35S	Signals Acquisition / Exploitation Analyst	5	Yes	No	Constantly reviews documents.
35T	Military Intelligence Systems Maintainer / Integrator	5	Yes	No	Must possess good near vision (AR 40-501, 2-13) and good eye/hand coordination.
35V	Chief Signals Intelligence (SIGINT) Sergeant	5	Yes	No	
35X	Chief Intelligence Sergeant	5	Yes	No	
35Y	Chief Counterintelligence / Human Intelligence	5	Yes	No	
35Z	Intelligence Sergeant Major	5	Yes	No	Frequently reviews documents.
36B	Financial Management Technician	1	No	No	Frequently reviews documents and detailed ledger sheets.
37F	Psychological Operations Specialist	5	Yes	No	
38B	Civil Affairs Specialist	5	No	No	
42A	Human Resources Specialist	1	No	No	Frequently reviews documents and correspondence.
42R	Musician	4	No	No	Must possess hand/eye coordination.
42S	Special Band Musician	4	No	No	Must possess hand/eye coordination.
46Q	Public Affairs Specialist	1	Yes	No	Must possess normal depth perception. Must be able to focus a camera. Must possess hand/eye coordination.
46R	Public Affairs Broadcast Specialist	1	Yes	No	Must possess normal depth perception. Must be able to focus a camera. Must possess hand/eye coordination.
46Z	Chief Public Affairs NCO	1	Yes	No	Must possess normal depth perception. Must be able to focus a camera.

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
51C	Acquisition, Logistics & Technology (AL&T) Contracting NCO	1	No	Yes	Frequently reviews documents and correspondence.
56M	Chaplain Assistant	1	No	No	Frequently inspects and inventories visually.
68A	Biomedical Equipment Specialist	2	Yes	Yes	Must possess hand/eye coordination.
68B	Orthopedic Specialist	5	Yes	No	
68C	Practical Nursing Specialist	5	Yes	No	
68D	Operating Room Specialist	5	Yes	Yes	Normal vision with or without corrective lens (AR 40-501, 2-13).
68E	Dental Specialist	5	Yes	Yes	
68F	Physical Therapy Specialist	5	Yes	No	
68G	Patient Administration Specialist	1	No	No	
68H	Optical Laboratory Specialist	4	No	Yes	
68J	Medical Logistics Specialist	1	Yes	No	
68K	Medical Laboratory Specialist	5	Yes	Yes	
68L	Occupational Therapy Specialist	5	Yes	No	
68M	Nutrition Care Specialist	6	Yes	No	
68N	Cardiovascular Specialist	5	Yes	No	
68P	Radiology Specialist	5	Yes	No	Normal vision with or without corrective lens (AR 40-501, 2-13).
68Q	Pharmacy Specialist	2	Yes	No	
68R	Veterinary Food Inspection Specialist	2	Yes	No	Must possess good near vision.
68S	Preventive Medicine Specialist	5	Yes	No	
68T	Animal Care Specialist	4	Yes	Yes	Frequently reads detailed technical manuals.
68U	Ear, Nose, and Throat (ENT) Specialist	5	Yes	No	
68V	Respiratory Specialist	5	Yes	No	
68W	Health Care Specialist (Combat Medic)	3	No	Yes	

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
68X	Behavioral Health Specialist	2	No	No	
68Y	Eye Specialist	5	R/G	No	
68Z	Chief Medical NCO	6	No	No	
74D	Chemical , Biological, Radiological, and Nuclear (CBRN) Specialist	5	Yes	Yes	
79R	Recruiter	1	No	No	Frequently reviews documents and records/correspondence.
79S	Active Duty Career Counselor	1	No	No	
79T	Recruiting and Retention NCO (Army NG)	1	No	No	Frequently reviews documents and records/correspondence.
79V	Army Reserve Career Counselor	1	No	No	
88H	Cargo Specialist	1	R/G	Yes	Must possess hand/eye coordination.
88K	Watercraft Operator	3	Yes	No	Uncorrected acuity not more than 20/200 in each eye that corrects with spectacles to 20/20 in one eye and 20/40 in the other eye. Normal color vision based on no more than four errors in reading the pseudoisochromatic plate test.
88L	Watercraft Engineer	4	Yes	Yes	Uncorrected acuity not more than 20/200 in each eye that corrects with spectacles to 20/20 in one eye and 20/40 in the other eye. Normal color vision based on no more than four errors in reading the pseudoisochromatic plate test.
88M	Motor Transport Operator	3	R/G	No	Frequently reads maps, signs and signals.
88N	Transportation Management Coordinator	1	Yes	No	Normal color vision based on no more than four errors in reading the pseudoisochromatic plate test.
88P	Railway Equipment Repairer	2	Yes	Yes	Frequently interprets visual signals by hand, flags and lamps.
88T	Railway Section Repairer	2	No	Yes	Frequently interprets visual signals by hand, flags and lamps.
88U	Railway Operations Crewmember	3	Yes	No	
88Z	Transportation Senior Sergeant	3	No	No	

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
89A	Ammunition Stock Control Accounting Specialist	1	No	No	
89B	Ammunition Specialist	6	Yes	Yes	
89D	Explosive Ordnance Disposal Specialist	4	Yes	Yes	
91A	M-1 Abrams Tank System Maintainer	4	Yes	Yes	
91B	Wheeled Vehicle Mechanic	4	Yes	Yes	
91C	Utilities Equipment Repairer	2	Yes	Yes	
91D	Power Generation Equipment Repairer	2	Yes	Yes	
91E	Machinist	4	Yes	Yes	
91F	Small Arms/Artillery Repairer	2	Yes	Yes	
91G	Fire Control Repairer	2	Yes	Yes	
91H	Track Vehicle Repairer	4	Yes	Yes	
91J	Quartermaster and Chemical Equipment Repairer	2	Yes	Yes	
91L	Construction Equipment Repairer	2	Yes	Yes	
91M	Bradley Fighting Vehicle System Maintainer	4	Yes	Yes	Frequently reads complex schematic diagrams.
91P	Self-Propelled Artillery Systems Maintainer	2	Yes	Yes	
91S	Stryker Systems Maintainer	4	Yes	Yes	
91X	Maintenance Supervisor	4	Yes	Yes	
91Z	Mechanical Maintenance Supervisor	4	No	Yes	
92A	Automated Logistical Specialist	1	Yes	No	
92F	Petroleum Supply Specialist	6	Yes	Yes	
92G	Culinary Specialist	2	Yes	No	
92L	Petroleum Laboratory Specialist	1	Yes	Yes	

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
92M	Mortuary Affairs Specialist	1	No	No	
92R	Parachute Rigger	2	Yes	No	
92S	Shower / Laundry and Clothing Repair Specialist	6	No	No	
92W	Water Treatment Specialist	1	Yes	Yes	
92Y	Unit Supply Specialist	1	Yes	No	
92Z	Senior NCO Logistician	1	No	No	
94A	Land Combat Electronic Missile System Repairer	2	Yes	Yes	
94D	Air Traffic Control Equipment Repairer	2	Yes	Yes	
94E	Radio Equipment Repairer	2	Yes	Yes	
94F	Computer / Detection Systems Repairer	2	Yes	Yes	
94H	Test Measurement and Diagnostic Equipment Maintenance Support Specialist	2	Yes	Yes	
94M	Radar Repairer	2	Yes	Yes	
94P	Multiple Launch Rocket System Repairer	2	Yes	Yes	
94R	Avionic and Survivability Equipment Repairer	2	Yes	Yes	
94S	PATRIOT System Repairer	2	Yes	Yes	
94T	AVENGER System Repairer	2	Yes	Yes	
94W	Electronic Maintenance Supervisor	2	No	Yes	
94X	Senior Missile Systems Maintainer	5	No	Yes	
94Y	Integrated Family of Test Equipment Operator / Maintainer	2	Yes	Yes	
94Z	Senior Electronic Maintenance Supervisor	2	No	No	

## APPENDIX E: Army Officer Vision Standards Table

Note: The information presented in the table of this appendix is taken directly from the DA Pam 611-21, Smartbook, Chapters 3 (Officer Specifications for Branch and Functional Area) and 3A (Officer Physical Requirements). Comments are taken directly from the MOS Physical Requirements and/or Specifications. Color vision requirements are stated as Normal, Red/Green, or no requirement is listed. This table refers to initial selection requirements unless otherwise noted. In general, retention requirements are less stringent and can be found in AR 40-501. Eye protection vision standards and requirements are based on the author's estimation of the job requirements as stated. The local vision conservation team ultimately determines if our estimations apply based on the specific requirements at your installation. For training and deployment purposes, all Commissioned Officers should be using an MCEP device from APEL.

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<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
00A	Duties Unassigned	5	R/G	No	
00B	General Officer	5	R/G	No	
00C	Relieved from Duty, Sick	5	R/G	No	
00D	Newly Commissioned Officer Awaiting EAD for Officer Basic Training	5	R/G	No	
00E	Student Officer	5	R/G	Yes	
01A	Officer Generalist	5	R/G	Yes	
01B	Aviation / Infantry / Armor / Military Intelligence Immaterial	5	R/G	Yes	
01C	Chemical / Engineering / Military Police Immaterial	5	R/G	Yes	
02A	Combat Arms Generalist	5	R/G	Yes	
02B	Infantry / Armor Immaterial	5	R/G	Yes	
02C	Infantry / Armor / Field Artillery / Engineer Immaterial	5	R/G	Yes	
05A	AMEDD Immaterial	5	R/G	No	
09G	National Guard on AD Med Hold	5	R/G	No	
09H	US Army Res on AD Med Hold	5	R/G	No	
11A	Infantry	5	R/G	Yes	Frequently visually identifies vehicles and equipment at 1000 meters and individuals at 300 meters.
12A	Engineer, General	5	R/G	Yes	
12B	Engineer, Combat	5	R/G	Yes	
12C	Facilities/Contract Construction Management Engineer	5	R/G	Yes	
13A	Field Artillery General	5	R/G	Yes	Frequently uses binoculars, lasers and other optical sighting devices to identify vehicles, equipment, and individuals at long distances.
14A	Air Defense Artillery Officer	5	Yes	Yes	
15A	Aviation, General	5	Yes	No	Frequently reads, interprets, and occasionally must memorize written material from detailed tech manuals. Frequently visually identifies vehicles, individuals and equipment at long distances, as well as hazards to flight.

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
15B	Aviation, Combined Arms Operations	5	Yes	No	Frequently reads, interprets, and occasionally must memorize written material from detailed tech manuals. Frequently visually identifies vehicles, individuals and equipment at long distances, as well as hazards to flight.
15C	Aviation, All Source Intelligence	5	R/G	Yes	Frequently reads, interprets, and occasionally must memorize written material from detailed tech manuals. Frequently visually identifies hazards to flight at long distances.
18A	Special Forces	5	R/G	Yes	Distant visual acuity of any degree that does not correct to 20/20 in both eyes with spectacle lenses. Any refractive error in spherical equivalent of worse than plus or minus 8 diopters.
19A	Armor, General	5	R/G	Yes	
19B	Armor	5	R/G	Yes	
19C	Cavalry	5	R/G	Yes	
24A	Telecommunications Systems Engineer	5	R/G	No	Frequently writes to keep records, compile data, and perform operational duties. Frequently reads complex schematic diagrams.
24X	Designated Telecommunications Systems Engineer	5	R/G	No	
25A	Signal, General	4	R/G	No	Frequently writes to keep records, compile data, and perform operational duties. Frequently reads complex schematic diagrams.
27A	Judge Advocate General	4	R/G	No	
27B	Military Judge	4	R/G	No	
29A	Electronic Warfare Officer	5	R/G	No	
30A	Information Operations Officer	5	Yes	No	Frequently reviews documents and writes or types to develop and maintain documents and products and compile data.
31A	Military Police	3	R/G	Yes	Frequently writes reports and compiles data.

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
34A	Strategic Intelligence Officer	5	R/G	No	Constantly reviews and researches documents. Frequently writes reports and compiles data.
35D	All Source Intelligence	5	R/G	Yes	
35E	Counterintelligence	5	R/G	No	Constantly reviews and researches documents. Frequently writes reports and compiles data.
35F	Human Intelligence	5	R/G	Yes	Constantly reviews and researches documents. Frequently writes reports and compiles data.
35G	Signals Intelligence / Electronic Warfare	5	R/G	No	Constantly reviews and researches documents. Frequently writes reports and compiles data.
36A	Financial Manager	4	R/G	No	Frequently reviews documents and detailed ledger sheets.
37A	Psychological Operations	5	R/G	No	
37X	Psychological Operations, Designated	5	R/G	No	
38A	Civil Affairs (AA and USAR)	5	R/G	No	
38X	Civil Affairs, Designated	5	R/G	No	
40A	Space Operations	4	R/G	No	
40C	Army Astronaut	4	Yes	Yes	
42B	Human Resources Officer	4	R/G	No	Frequently types and writes.
42C	Army Bands	4	R/G	No	
42H	Senior Human Resources Officer	4	R/G	No	
46A	Public Affairs, General	4	R/G	No	
46X	Public Affairs, Untrained	4	R/G	No	
47A	USMA Professor	4	R/G	No	
47C	USMA Professor of English	4	R/G	No	
47D	USMA Professor of Electrical Engineering and Computer Science	4	R/G	No	
47E	USMA Professor of Law	4	R/G	No	
47F	USMA Professor of Systems Engineering	4	R/G	No	
47G	USMA Professor of Foreign Languages	4	R/G	No	
47H	USMA Professor of Physics	4	R/G	No	
47J	USMA Professor of Social Sciences	4	R/G	No	

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
47K	USMA Professor of History	4	R/G	No	
47L	USMA Professor of Behavioral Sciences and Leadership	4	R/G	No	
47M	USMA Professor of Chemistry	4	R/G	No	
47N	USMA Professor of Mathematical Sciences	4	R/G	No	
47P	USMA Professor of Geography and Environmental Sciences	4	R/G	No	
47Q	USMA Professor and Associate Dean	4	R/G	No	
47R	USMA Professor of Civil and Mechanical Engineering	4	R/G	No	
47S	USMA Professor of Physical Education	4	R/G	No	
47T	USMA Professor of Leader Development and Organizational Learning	4	R/G	No	
47U	USMA Professor of Military Art and Science	4	R/G	No	
48B	Latin America FAO	4	R/G	No	
48C	Europe FAO	4	R/G	No	
48D	South Asia FAO	4	R/G	No	
48E	Eurasia FAO	4	R/G	No	
48F	China FAO	4	R/G	No	
48G	Mideast/North Africa FAO	4	R/G	No	
48H	Northeast Asia FAO	4	R/G	No	
48I	Southeast Asia FAO	4	R/G	No	
48J	Africa, South of Sahara FAO	4	R/G	No	
48X	Foreign Area Officer, General	4	R/G	No	
49A	Operations Research, General	4	R/G	No	
49W	Trained, ORSA	4	R/G	No	
49X	Untrained, ORSA	4	R/G	No	
50A	Force Management	4	R/G	No	
51A	Systems Development	4	R/G	No	
51C	Contracting and Industrial Management Officer	4	R/G	No	
51R	Systems Automation Acquisition and Engineering	4	R/G	No	
51S	Research and Engineering	4	R/G	No	
51T	Test and Evaluation	4	R/G	No	
51Z	Acquisition	4	R/G	No	

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
52B	Nuclear and Counter proliferation	4	R/G	No	
53A	Information Systems Management	4	R/G	No	Frequently writes to keep records, compile data, and perform operational duties. Reads complex diagrams.
53X	Designated Systems Automation	4	R/G	No	
56A	Command and Unit Chaplain	4	R/G	No	
56D	Clinical Pastoral Educator	4	R/G	No	
56X	Chaplin Candidate	4	R/G	No	
57A	Simulations Operations Officer	4	R/G	No	
59A	Strategic Plans and Policy	4	R/G	No	
60A	Operational Medicine	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60B	Nuclear Medical Officer	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60C	Preventive Medicine Officer	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60D	Occupational Medicine Officer	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60F	Pulmonary Disease / Critical Care Officer	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60G	Gastroenterologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60H	Cardiologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60J	Obstetrician and Gynecologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60K	Urologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60L	Dermatologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60M	Allergist, Clinical Immunologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60N	Anesthesiologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60P	Pediatrician	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60Q	Pediatric Sub-specialist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60R	Child Neurologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60S	Ophthalmologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60T	Otolaryngologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60U	Child Psychiatrist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
60V	Neurologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
60W	Psychiatrist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61A	Nephrologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61B	Medical Oncologist/Hematologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61C	Endocrinologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61D	Rheumatologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61E	Clinical Pharmacologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61F	Internist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61G	Infectious Disease Officer	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61H	Family Medicine	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61J	General Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
61K	Thoracic Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
61L	Plastic Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
61M	Orthopedic Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
61N	Flight Surgeon	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61P	Physiatrist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61Q	Radiation Oncologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61R	Diagnostic Radiologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61U	Pathologist	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
61W	Peripheral Vascular Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
61Z	Neurosurgeon	3	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
62A	Emergency Physician	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
62B	Field Surgeon	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63A	General Dentist	3	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63B	Comprehensive Dentist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
63D	Periodontist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63E	Endodontist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63F	Prosthodontist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63H	Public Health Dentist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63K	Pediatric Dentist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63M	Orthodontist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63N	Oral and Maxillofacial Surgeon	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63P	Oral Pathologist	2	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
63R	Executive Dentist	5	R/G	No	
64A	Field Veterinary Service	2	R/G	Yes	
64B	Veterinary Preventive Medicine	2	R/G	Yes	
64C	Veterinary Laboratory Animal Medicine	2	R/G	Yes	
64D	Veterinary Pathology	2	R/G	Yes	
64E	Veterinary Comparative Medicine	2	R/G	Yes	
64F	Veterinary Clinical Medicine	2	R/G	Yes	
65A	Occupational Therapy	5	R/G	Yes	
65B	Physical Therapy	5	R/G	No	
65C	Dietician	4	R/G	No	
65D	Physician Assistant	5	R/G	No	
66B	Army Public Health Nurse	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66C	Psychiatric/Mental Health Nurse	5	R/G	No	
66E	Perioperative Nurse	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
66F	Nurse Anesthetist	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
66G	Obstetrics and Gynecological Nurse	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66H	Medical Surgical Nurse	5	Yes	Yes	Must have correctable vision (AR 40-501, 2-13).
66N	Operational Nursing	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66P	Family Nurse Practitioner	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66R	Psychiatric/Behavioral Nurse	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
66S	Critical Care Nursing	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66T	Emergency Nursing	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
66W	Certified Nurse Midwife	5	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67A	Health Services	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67B	Laboratory Sciences	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67C	Preventive Medicine Services	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67D	Behavioral Sciences	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67E	Pharmacy	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67F	Optometry	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67G	Podiatry	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
67J	Aeromedical Evacuation	4	Yes	No	Must have binocular vision and correctable vision (AR 40-501, 2-13).
70A	Health Care Administration	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70B	Health Services Administration	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70C	Health Services Comptroller	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70D	Health Services Systems Management	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70E	Patient Administration	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70F	Health Services Human Resources	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70H	Health Services, Plans, Operations, Intelligence, Security, and Training	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
70K	Health Services Materiel	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
71A	Microbiology	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
71B	Biochemistry	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
71E	Clinical Laboratory	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
71F	Research Psychology	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).

<b>AOC</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
72A	Nuclear Medical Science	4	Yes	No	Must have sufficient eyesight to read instrumentation displays. Must have correctable vision (AR 40-501, 2-13).
72B	Entomology	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
72C	Audiology	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
72D	Environmental Science and Engineering	4	R/G	No	Frequently writes reports and compiles data. Must have correctable vision (AR 40-501, 2-13).
73A	Social Work	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
73B	Clinical Psychology	4	Yes	No	Must have correctable vision (AR 40-501, 2-13).
74A	Chemical, Biological, Radiologic and Nuclear	3	Yes	Yes	
88A	Transportation, General	4	R/G	No	
89E	Explosive Ordnance Disposal	4	Yes	Yes	
90A	Logistics	4	Yes	No	
91A	Maintenance & Munitions Materiel Officer	2	R/G	No	
92A	Quartermaster, General	4	R/G	No	

## APPENDIX F: Army Warrant Officer Vision Standards Table

Note: The information provided in the table within this appendix is taken directly from the DA Pam 611-21, Smartbook, Chapters 8B (Warrant Officer MOS Specifications) and 8D (Warrant Officer Physical Requirements). Comments are taken directly from the Physical Requirements and/or Specifications. Color vision requirements are stated as Normal, Red/Green, or no requirement is listed. This table refers to initial selection requirements unless otherwise noted. In general, the retention requirements are less stringent and can be found in AR 40-501. Eye protection vision standards and requirements are based on the author's estimation of the job requirements as stated. The local vision conservation team ultimately determines if our estimations apply based on the specific requirements at your installation. For training and deployment purposes, all Warrant Officers should be using an MCEP device from the APEL.

The DA Pam 611-21, Smartbook, is available online at:  
<https://www.milsuite.mil/book/groups/smartbookdapam611-21>

MOS	JOB TITLE	VISION STANDARD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
001A	Unqualified in Authorized WO MOS	5	R/G	No	
002A	Patient	5	R/G	No	
003A	Student	5	R/G	No	
004A	Duties Unassigned	5	R/G	No	
011A	Branch / MOS Immaterial	5	R/G	No	
019G	National Guard on Active Duty Med Hold	5	R/G	No	
019H	USAR on Active Duty Med Hold	5	R/G	No	
120A	Construction Engineering Technician	5	Yes	Yes	Vision must correct to 20/20.
125D	Geospatial Engineering Technician	5	Yes	No	Must have a minimum of 175 seconds of arc visual stereoscopic acuity, and have 20/20 correctable vision and normal color perception in accordance with AR 40-501.
131A	Field Artillery Targeting Technician	5	R/G	No	Must have 20/40 correctable vision per AR 40-501, paragraphs 2-13 and 3-16
140A	Command and Control Systems Integrator	5	Yes	Yes	Vision must correct to 20/20.
140E	Air and Missile Defense Systems Tactician / Technician	5	Yes	Yes	Vision must correct to 20/20.
140X	Air Defense Artillery, Immaterial	5	Yes	Yes	Vision must correct to 20/20.
150A	Air Traffic and Air Space Management Technician	5	Yes	No	Must meet the medical fitness standards for Class 4 flying duty (ATC) as identified in AR 40-501.
150U	Unmanned Aircraft Systems Operations Technician	5	Yes	No	Must meet vision and hearing standards of AR 40-501 for assignment of warrant officer to Aviation Branch, normal color discrimination per AR 40-501.
151A	Aviation Maintenance Technician (nonrated)	2	Yes	Yes	Must maintain Class 3 flight standards while on non-crewmember flight status.
152B	OH58-A/C Scout Pilot (RC)	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)

<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
152C	OH-6 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
152D	OH-58D Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
152E	ARH-XX Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
152F	AH-64A Attack Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
152H	AH-64D Attack Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
153A	Rotary Wing Aviator	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
153B	UH-1 Pilot (RC)	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
153D	UH-60 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
153E	MH-60 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
153L	UH-72A Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)

MOS	JOB TITLE	VISION STANDARD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
153M	UH-60M Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
154C	CH-47D Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
154E	MH-47 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
154F	CH-47F Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
155A	Fixed Wing Aviator	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
155E	C-12 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
155F	Jet Aircraft Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
155G	O-5A/EO-5B/RC-7 Pilot	5	Yes	Yes	Must initially meet Class 1 flight standards then Maintain Class 2 flight standards once on flight status (AR 40-501)
180A	Special Forces Warrant Officer	5	R/G	Yes	Must meet the Medical Fitness Standards for Special Forces duty per AR 40-501, Survival, Evasion, Resistance, Escape (SERE) training and free fall parachute duty and/or marine diving duty.
255A	Information Services Technician	5	Yes	No	
255N	Network Management Technician	5	Yes	No	

MOS	JOB TITLE	VISION STANDARD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
255Z	Senior Network Operations Technician	5	Yes	No	
270A	Legal Administrator	5	R/G	No	
290A	Electronic Warfare Technician	5	R/G	No	Must have 20/40 correctable vision per AR 40-501, paragraphs 2-13 and 3-16
311A	CID Special Agent	5	R/G	Yes	
350F	All Source Intelligence Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
350G	Geospatial - Imagery Intelligence Technician	5	Yes	No	Must have distance vision correctable to 20/20 and normal stereoscopic depth perception on AFVT or TITMUS.
351L	Counterintelligence Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
351M	Human Intelligence Collection Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
351Y	Area Intelligence Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
351Z	Attaché Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
352N	Signals Intelligence Analysis Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
352S	Signals Collection Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.

MOS	JOB TITLE	VISION STANDARD	NORMAL COLOR VISION	EYE PROTECTION	COMMENTS
353T	Intelligence Systems Integration and Maintenance Technician	5	Yes	No	Must have corrected vision (Good Eye - Bad eye) not worse than one of the following: 20/40 - 20/70, 20/30 - 20/100, 20/20 - 20/400.
420A	Human Resources Technician	5	No	No	
420C	Bandmaster	5	No	No	
640A	Food Safety Officer	5	Yes	No	Vision must be correctible to 20/20
670A	Health Services Maintenance Technician	5	Yes	No	Vision must be correctible to 20/20. Must have good eye hand coordination.
740A	Chem, Bio, Rad, Nuclear (CBRN) Warrant Officer	5	Yes	No	Vision must be correctible to 20/20
880A	Marine Deck officer	5	Yes	Yes	Vision must correct to 20/20 in one eye and at least 20/40 in the other.
881A	Marine Engineering Officer	5	Yes	Yes	Vision must correct to 20/20 in one eye and at least 20/40 in the other.
882A	Mobility Officer	5	Yes	Yes	Vision must correct to 20/20 in one eye and at least 20/40 in the other.
890A	Ammunition Technician	5	Yes	Yes	Vision must correct to 20/20.
913A	Armament Systems Maintenance Warrant Officer	5	R/G	Yes	
914A	Allied Trades Warrant Officer	5	R/G	Yes	
915A	Automotive Maintenance Warrant Officer	5	R/G	Yes	
915E	Senior Automotive Maintenance Warrant Officer / Senior Ordnance Logistics Warrant Officer	5	R/G	Yes	
919A	Engineer Equipment Maintenance Warrant Officer	5	Yes	Yes	Vision must correct to 20/20.
920A	Property Accounting Technician	5	Yes	No	Vision must correct to 20/20.
920B	Supply Systems Technician	5	Yes	No	Vision must correct to 20/20.
921A	Airdrop Systems Technician	5	Yes	Yes	Vision must correct to 20/20.
922A	Food Service Technician	5	Yes	No	Vision must correct to 20/20.

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<b>MOS</b>	<b>JOB TITLE</b>	<b>VISION STANDARD</b>	<b>NORMAL COLOR VISION</b>	<b>EYE PROTECTION</b>	<b>COMMENTS</b>
923A	Petroleum Systems Technician	5	Yes	Yes	Vision must correct to 20/20.
948B	Electronic Systems Maintenance Warrant Officer	5	Yes	Yes	Must have good eye-hand coordination
948D	Electronics-Missile Systems Maintenance Warrant Officer	5	Yes	Yes	Vision must correct to 20/20.
948E	Senior Electronics Maintenance Warrant Officer	5	Yes	Yes	

## Glossary of Abbreviations

ANSI  
American National Standards Institute

AOC  
Area of Concentration

APEL  
Authorized Protective Eyewear List

APHC (Provisional)  
Army Public Health Center (Prov)

AR  
Army Regulation

ATB  
Aeromedical Technical Bulletin

CAC  
Command Access Card

DA  
Department of the Army

DA Pam  
Department of the Army Pamphlet

FALANT  
Farnsworth Lantern

FASCLASS  
Fully Automated System for Classification

GS  
General Schedule

MCEP  
Military Combat Eye Protection

MOS  
Military Occupational Specialty

OPM  
U.S. Office of Personnel Management

PD  
Position Description

PIP  
Pseudo-isochromatic Plate

TG  
Technical Guide

USMA  
U.S. Military Academy

VCRT  
Vision Conservation and Readiness Team

VDT  
Video Display Terminal

WG  
Wage Grade