

Standards Correlations

Aircraft Pilot Training II (8732, 36 weeks/280 hours)

Task	SOL Correlations
Demonstrating Personal Qualities and Abilities	
Demonstrate creativity and innovation.	English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate critical thinking and problem solving.	English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10, AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate initiative and self-direction.	English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate integrity.	English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate work ethic.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
Demonstrating Interpersonal Skills	
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1

Task	SOL Correlations
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1
Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6 History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Collaborate with team members	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrating Professional Competencies	
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 8.4
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8
Demonstrate information-literacy skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate an understanding of information security.	English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8

Task	SOL Correlations
	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: COM.10
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17 Science: BIO.1, CH.1, ES.1, PH.1
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16 Science: CH.1, ES.1, LS.1, PH.1, PS.1
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7 Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: 6.1, PH.1, PS.1
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
Examining All Aspects of an Industry	
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16
Examine aspects of management within an industry/organization.	
Examine aspects of financial responsibility within an industry/organization.	

Task	SOL Correlations
Examine technical and production skills required of workers within an industry/organization.	
Examine principles of technology that underlie an industry/organization.	
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16
Addressing Elements of Student Life	
Identify the purposes and goals of the student organization.	
Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.	
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.	
Identify Internet safety issues and procedures for complying with acceptable use standards.	
Exploring Work-based Learning	
Identify the types of work-based learning (WBL) opportunities.	
Reflect on lessons learned during the WBL experience.	

Task	SOL Correlations
Explore career opportunities related to the WBL experience.	
Participate in a WBL experience, when appropriate.	

Task	SOL Correlations
Describing Aeronautical Decision-making	
Define <i>aeronautical decision-making</i> (ADM).	English: 11.3, 11.5, 12.3, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe the critical phases of flight.	English: 11.5, 12.5
Describe pilot-in-command authority and responsibility.	English: 11.5, 12.5
Identify best practices for pilots.	English: 11.5, 12.5 History and Social Sciences: GOVT.3, 16
Describe positive exchange of flight controls.	English: 11.5, 12.5
Describe hazardous attitudes and dangerous tendencies.	English: 11.3, 11.5, 12.3, 12.5 History and Social Sciences: GOVT.3, 16
Describe human factors that affect ADM.	English: 11.5, 12.5
Describe a pilot's healthy response to external pressure.	English: 11.5, 12.5 History and Social Sciences: GOVT.16
Describe the role of judgment in ADM.	English: 11.5, 12.5
Describe stress management.	English: 11.5, 12.5
Describe management of emergency situations.	English: 11.5, 12.5 History and Social Sciences: GOVT.3, 16
Describe regulations related to hazardous operations.	English: 11.5, 12.5 History and Social Sciences: VUS.14, GOVT.7
(Optional) Describe the learning process.	English: 11.5, 12.5
(Optional) Describe the learning process as related to physical skills.	English: 11.5, 12.5
(Optional) Describe laws of learning elements.	English: 11.5, 12.5

Explaining the Aerodynamics of Flight	
Identify the relationship between lift and drag.	English: 11.5, 12.5 Mathematics: AII.3, MA.7
Interpret information on a velocity/load factor chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe ground-reference maneuvers.	English: 11.5, 12.5
Understanding Aircraft Systems	
Describe adjustable-pitch and constant-speed propellers.	English: 11.5, 12.5
Describe oxygen systems.	English: 11.5, 12.5
Describe the need for oxygen system inspection.	English: 11.5, 12.5
Describe aircraft anti-icing and de-icing.	English: 11.5, 12.5
Describe environmental control systems as related to humidity and illumination control.	English: 11.5, 12.5
Interpreting Flight Instruments	
Explain the difference between true north (TN) and magnetic north (MN).	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe airspeed indicators (ASIs).	English: 11.5, 12.5
Describe angle of attack (AOA) indicators.	English: 11.5, 12.5
Calculating Weight and Balance	
Calculate weight and balance.	English: 11.5, 12.5
Interpret weight and balance guidelines.	English: 11.5, 12.5
Describe aircraft loading computations.	English: 11.5, 12.5
Describe loading limitations.	English: 11.5, 12.5
Describe performance planning in relation to aircraft loading.	English: 11.5, 12.5
Describing Aircraft Performance	
Determine the airspeed for a particular operation.	English: 11.5, 12.5 Mathematics: AII.3
Explain turbulent air penetration.	English: 11.5, 12.5
Determine pressure altitude.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Calculate density altitude.	English: 11.5, 12.5

	History and Social Sciences: VUS.1, GOVT.1 Mathematics: AII.3
Calculate landing speed and distance.	English: 11.5, 12.5 Mathematics: AII.3
Calculate takeoff speed and distance.	English: 11.5, 12.5 Mathematics: AII.3
(Optional) Interpret information on a performance curve chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Identify aircraft glide performance.	English: 11.5, 12.5
Describe how to counteract the effects of wind while taxiing.	English: 11.5, 12.5
Describe takeoff and landing considerations.	English: 11.5, 12.5
Explaining Weather Theory	
Describe the effects of temperature.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe the effects of temperature on weather formations.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe precipitation.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe the effects of wind.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Define <i>ceiling</i> , according to the FAA.	English: 11.3, 11.5, 12.3, 12.5 History and Social Sciences: VUS.14, GOVT.7
Identify conditions under which icing may occur.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe turbulent air penetration.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe atmospheric stability.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe thermals and atmospheric stability.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe types of cloud formation and resulting weather.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe dew point and fog formation.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe icing formation and characteristics.	English: 11.5, 12.5

	History and Social Sciences: VUS.1, GOVT.1
Describe inversion layers.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe jet streams.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe microbursts.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe squall lines.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe formation of thunderstorms and associated hazards.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe turbulence.	English: 11.5, 12.5
Describe windshear.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Accessing Aviation Weather Services	
Identify pilot weather resources.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret constant pressure chart and isotachs chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret analysis heights and temperature chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a convective outlook.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a METAR/SPECI report.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a PIREP.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a convective outlook chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe Airman's Meteorological Information (AIRMETs) and Significant Meteorological Information (SIGMETs).	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a SIGMET.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1

Interpret information on a significant weather prognostic chart.	English: 11.5, 1.8, 12.5, 12.8 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a surface-analysis chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on a terminal aerodrome forecast (TAF).	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe a forecast of winds and temperatures aloft (FB).	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Interpret information on an FB.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe a constant pressure analysis chart.	English: 11.5, 1.8, 12.5, 12.8 History and Social Sciences: VUS.1, GOVT.1
Describe a significant weather prognostic chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe a surface analysis chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe a weather depiction chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe in-flight aviation weather advisories.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe severe weather watches (WW).	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe a radar summary chart.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describing Airport Operations	
Describe types of approach indicators.	English: 11.5, 12.5
Demonstrate effective communication.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe communication with ATC.	
Describe the radio frequencies typically used for aviation communication.	English: 11.5, 12.5
Describe the role of Automatic Dependent Surveillance–Broadcast (ADS-B) in collision avoidance.	English: 11.5, 12.5
Understanding Airspace	
Describe VFR weather minimums.	English: 11.5, 12.5

Describe special use airspace.	English: 11.5, 1.8, 12.5, 12.8
(Optional) Describe VFR-on-top.	English: 11.5, 12.5
Describing Navigation	
Describe air navigation.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe aeronautical charts.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Describe the distribution of notices to air missions (NOTAMs).	English: 11.5, 12.5
Plan a course intercept.	English: 11.1, 11.5, 12.1, 12.5 History and Social Sciences: VUS.1, GOVT.1
Calculate time, speed, distance, course, fuel, and wind.	History and Social Sciences: VUS.1, GOVT.1 Mathematics: AII.3
Calculate wind correction.	History and Social Sciences: VUS.1, GOVT.1
Determine the distance and bearing to a location.	English: 11.5, 12.5 History and Social Sciences: VUS.1, GOVT.1
Plan flight according to regulations.	English: 11.1, 11.5, 12.1, 12.5 History and Social Sciences: VUS.1, 14; GOVT.1, 7, 16
Assess pre-flight calculations while in flight.	English: 11.5, 12.5
(Optional) Interpret information on a low-altitude chart.	English: 11.5, 11.8, 12.5, 12.8
Interpret information on a sectional chart.	English: 11.5, 12.5
Interpret information on a terminal area chart (TAC).	English: 11.5, 11.8, 12.5, 12.8
Interpret information in United States chart supplements.	English: 11.5, 11.8, 12.5, 12.8
(Optional) Interpret information on an instrument approach procedures (IAP) chart.	English: 11.5, 12.5
(Optional) Describe IFR enroute low altitude aeronautical charts.	English: 11.5, 12.5
Describe VOR, distance measuring equipment (DME), and navigation aids.	English: 11.5, 12.5
Interpret readings on an aircraft course and DME indicator.	English: 11.5, 12.5
Explain Global Navigation Satellite System (GNSS).	English: 11.5, 12.5

Demonstrate dead reckoning.	English: 11.3, 11.5, 12.3, 12.5
Describe the pilotage method of navigation.	English: 11.5, 12.5
Outline the preparation and steps involved in a cross-country flight.	English: 11.5, 11.6, 12.5, 12.6
Identifying Aeromedical Factors	
Describe aeromedical factors related to fitness for flight.	English: 11.5, 12.5
Describe hypoxia.	English: 11.5, 12.5
Describe effects of carbon monoxide (CO) poisoning.	English: 11.5, 12.5
Describe night and high-altitude operations.	English: 11.5, 12.5
Describe aeromedical factors related to scanning procedures.	English: 11.5, 12.5
Describe scanning techniques as related to collision avoidance.	English: 11.5, 12.5
Describe the effects of alcohol on the body.	English: 11.5, 12.5
Describe considerations related to prescription and over-the-counter drugs.	English: 11.5, 12.5
Describe regulations related to the use of narcotics, drugs, and intoxicating liquor.	English: 11.5, 12.5
Describe the effects of stress on the body.	English: 11.5, 12.5
Describe in-flight illusions.	English: 11.5, 12.5
Describe hyperventilation as related to cabin pressure and its threat to pilots.	English: 11.3, 11.5, 12.3, 12.5
Describe the physiological effects of scuba diving and flying.	English: 11.5, 12.5
Describe concerns related to night vision.	English: 11.5, 12.5
Define <i>spatial disorientation</i> .	English: 11.3, 11.5, 12.3, 12.5
Describe dehydration and heatstroke.	English: 11.5, 12.5