

# 2025 – 2026

# JROTC COURSES

KENTUCKY CTE  
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Today's Career and Technical Education



# JROTC COURSES 2025 – 2026

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## U.S. Air Force JROTC 1 580134

Students are introduced to the Air Force JROTC program with a Cognia-accredited curriculum and STEM activities focusing on aerospace science, leadership education, and health and wellness. Both the aerospace science and leadership education portions of this introductory course expose students to a wide array of topics. For example, in aerospace science, students explore the Wright brothers' experiments and designs and their systematic approach to being the first to achieve controlled, manned, heavier-than-air, powered flight. Students learn how the development of instrument flying and navigation aids benefited commercial aviation. Students examine the contributions of early aviation pioneers and the continued development of aircraft and engines. The curriculum also covers the evolution of the Army Air Corps after World War I through the end of World War II. Military developments after World War II are discussed, as well as how the National Security Act of 1947 paved the way for an independent Air Force and how the Cold War affected U.S. foreign policy and U.S. Air Force priorities.

Additionally, students learn about the history of cyber technology, the rise of the internet, and security and privacy issues when computing. The Leadership Education Curriculum focuses on the development of cadet leadership skills, which are directly linked to the NOCTI *Leadership and Employability Skills* credential, earning students three college credits upon successful completion; covered topics include civic duty and citizenship, ethical behavior, sound values, good moral judgment, and US National government. Students discover leadership and followership skills, team collaboration, interpersonal skills, public speaking, written communication, ethics, integrity, decision-making, critical thinking, problem-solving, innovation and career and self-discovery. Students study how to make positive decisions on behavior through goal setting and effective communication—important for success and leadership in today's high-tech environment. Students also explore Air Force traditions, customs and courtesies, character, the foundations of US citizenship, and civic responsibility. Students examine the history and current organization of the JROTC program, including the lines of responsibility and authority. They will understand factors that contribute to teen-to-teen violence in our society, from bullying and cyberbullying to gangs and drug use. Students also learn how to recognize and treat common emergencies, from sprains, choking, and shock to heat-related illnesses. JROTC programs include a drill and ceremonies component, promoting professionalism and teamwork. Instruction in personal wellness, health, and fitness encourages students to lead healthy, active lifestyles into adulthood.

**Recommended Grade Level: 9 – 12**

**Recommended Credit: 1**

**Students will:**

1. Describe how humans tried to fly in ancient times.
2. Explain key aviation devices created during ancient times.
3. Examine why machines do not fly the way birds do.
4. Summarize the historical developments of lighter-than-air flight.
5. Describe the early military contributions of lighter-than-air flight.
6. Examine the early contributors to heavier-than-air flight.

7. Describe the Wright Brothers' first flight.
8. Analyze how the principles of airplane flight were applied to the Wright Flyer.
9. Describe the contributions the Wright brothers made to U.S. Army aviation.
10. Examine how the Wright brothers were the first to succeed in powered flight.
11. Describe key individuals and contributions in early aircraft development.
12. Compare the contributions of early American pioneers in Aviation.
13. Examine the contributions of women in early aviation.
14. Describe the contributions of American pilots during World War I.
15. Explain how the airplane revolutionized war.
16. Examine new developments in aviation during World War I.
17. Explain how war sped up aviation development in the United States
18. Explain the significance of the term barnstormers.
19. Name notable pilots who were barnstormers.
20. Describe significant contributions to aviation made by barnstormers.
21. Explain how barnstormers changed public opinion of aviation.
22. Explain why Lindbergh's contribution to aviation became famous.
23. Explain the significance of Amelia Earhart's transatlantic flights.
24. Analyze how early developments in aviation benefited commercial aviation.
25. Describe the introduction of passenger service in aviation.
26. Explain the consequences of the Airmail Act.
27. Compare the contributions of aircraft manufactures to commercial aviation.
28. Describe the creation of the Army Air Service.
29. Describe the creation of the Army Air Corps.
30. Explain the growth of the Army Air Corps.
31. Identify significant missions flown by the Army Air Corps.
32. Summarize the rationale of advocates for an independent Air Force.
33. Summarize the rationale of objectors for an independent Air Force.
34. Describe the creation of a separate Air Corps Headquarters.
35. Explain the strategic role air power played in WWII.
36. Explain the significance of air power on D-day.
37. Discuss the role of air power in WWII versus the role of air power in WWI.
38. Describe the development of strategic air warfare.
39. Explain the use of formation pattern bombing and combat formation.
40. Describe significant Allied air campaigns in the European theater.
41. Describe significant Allied air campaigns in the Pacific theater.
42. Describe the development of bombers during WWII.
43. Describe the development of fighters during WWII.
44. Describe the development of transport during WWII.
45. Describe what created the need for regulating aviation.
46. Describe the organizations that provide oversight of aviation activities.
47. Discuss the impact regulations had on aviation.
48. Analyze the impact deregulation has had on commercial aviation.
49. Discuss the important commercial aircraft of the propeller era.
50. Review the major commercial airlines of the propeller era.
51. Explain other developments in commercial airlines' operations.
52. Discuss what created the interest in general aviation.
53. Discuss the different types of aircraft that make general aviation possible.
54. Compare the different categories that make up general aviation.

55. Explain how a jet engine works.
56. Review developments in jet aircraft.
57. Summarize the switch to air travel in the United States.
58. Examine future commercial aircraft.
59. Discuss the National Security Act of 1947 and the creation of an independent Air Force.
60. Explain the Cold War and how it affected U.S. foreign policy and the U.S.AF.
61. Review the Berlin Airlift and how the U.S.AF helped break the Berlin Blockade.
62. Examine Aviation Research after WWII.
63. Discuss the significant contributions of test pilots in military aviation.
64. Analyze other significant military aircraft developed during the Cold War.
65. Analyze how the United States used air power in the Korean War.
66. Discuss how aircraft were used in the Cuban Missile Crisis.
67. Evaluate the role of air power in the Vietnam War.
68. Describe how air-to-air and surface-to-air missile technology changed aerial combat.
69. Evaluate reasons why *Operation Eagle Claw* failed in Iran.
70. Examine the lessons learned from *Operation Urgent Fury* in Grenada.
71. Examine the outcomes of *Operation El Dorado Canyon* in Libya.
72. Discuss what led to *Operation Just Cause* in Panama.
73. Describe how Humanitarian Operations have helped people in need around the world.
74. Analyze how ending the Cold War has reshaped Eastern Europe.
75. Examine how the United States used air power in the *Operations Desert Shield* and *Desert Storm*.
76. Discuss the role of air power in *Operation Enduring Freedom*.
77. Analyze how air power was applied in *Operation Iraqi Freedom*.
78. Describe the role of U.S. air power in other military and humanitarian operations.
79. Understand the development of early helicopters before World War I.
80. Summarize further development of helicopters during the 1930s.
81. Analyze the use of helicopters in U.S. military conflicts.
82. Examine the helicopter's expanded role in military and civilian search-and-rescue operations.
83. Examine the significance of stealth aircraft.
84. Describe the development of stealth aircraft.
85. Describe the development of precision weapons.
86. Summarize the development of unmanned aerial vehicles (UAVs).
87. Describe the F-35 Lightning II Joint Strike Fighter, KC-46 Pegasus Aerial Tanker, and B-21 Raider global strike bomber.
88. Describe current issues of using cyber technology.
89. Describe current developments in cyberwarfare.
90. Discuss the history of the nation's Junior ROTC programs.
91. Explain the organization of Junior ROTC programs.
92. Examine the lines of responsibility and authority in Junior ROTC programs.
93. Explain uniform wear and history.
94. Explain the purpose of uniform wear, restrictions, and standards
95. Describe the uniforms used within special teams.
96. Describe cadet appearance and grooming standards.
97. Identify military rank and grade insignia.
98. Describe the difference between a custom and a courtesy.

99. Identify historic customs and courtesies.
100. Explain the proper methods to demonstrate recognition and respect.
101. Describe the standard usage of military time.
102. Describe the importance of a positive attitude.
103. Describe the importance of discipline.
104. Describe the four basic rules of ethics.
105. Identify the four types of values.
106. Identify the core values of the U.S. military services.
107. Explain cultural and universal norms
108. Describe how to make ethical and moral decisions.
109. Identify your personal code of conduct.
110. Analyze etiquette and manners in formal and informal settings.
111. Demonstrate proper dining etiquette.
112. Explain the handling of social invitations.
113. Demonstrate the proper application of public courtesies.
114. Describe the historical background of Dining-Ins and Dining-Outs.
115. Analyze effective note-taking strategies.
116. Describe the eight types of Thinking Maps®.
117. Demonstrate effective study skills.
118. Recall effective strategies for taking exams.
119. Develop an effective homework plan.
120. Explain the difference between positive and negative stress.
121. Describe the effects of stress on the body.
122. Describe ways to manage stress.
123. Analyze methods to manage time.
124. Employ a goal-setting process to arrive at healthy decisions.
125. Explain the impact of communication skills on leadership.
126. Apply responsible use of electronic media devices.
127. Identify and understand emotions.
128. Analyze mental and emotional problems and their effects on behavior.
129. Identify sources for getting help with mental and emotional problems.
130. Examine the problem of violence in our society.
131. Identify ways to prevent violence in schools.
132. Describe ways of protecting yourself from rape or sexual violence.
133. Identify the different functions of the human skeletal system.
134. Explain how the muscular system works.
135. Describe different parts of the human circulatory system.
136. Describe how the human respiratory system works.
137. Identify how the nervous system and sense organs work.
138. Describe how the digestive system breaks down food.
139. Explain how the body's waste disposal system works.
140. Identify what influences food choices.
141. Describe the six types of nutrients and explain how the body uses them.
142. Identify resources that can help you make wise food choices.
143. Define the benefits of an active lifestyle.
144. Examine ways to increase your level of fitness through exercise.
145. Analyze strategies for improving aerobic capacity, muscular strength and endurance, and endurance, and flexibility to improve overall health.

146. Devise a plan to set and achieve fitness goals.
147. Identify the three stages of an exercise session.
148. Analyze methods to monitor fitness progress.
149. Identify safety concerns when participating in sports.
150. Evaluate the effects of performance-enhancing drugs (PEDs).
151. Define body image.
152. Explain the relationship between weight problems and diet.
153. Describe ways to manage an appropriate weight.
154. Explain the dangers of eating disorders.
155. Define first aid.
156. Explain how to recognize and treat common emergencies.
157. Outline steps to take in severe emergencies.
158. Explain how medicines differ from drugs.
159. Explain the difference between drug misuse and drug abuse.
160. Identify how people who abuse drugs can get help.
161. Describe ways to live drug-free.
162. Explain the history of tobacco use.
163. Identify the harmful substances in tobacco.
164. Describe the costs of tobacco to society.
165. Explain how to avoid tobacco use.
166. Explain how alcohol is a threat to everyone.
167. Describe alcoholism.
168. Explain why some teens drink alcohol.
169. Describe the effects pollution has on health.
170. Demonstrate methods for reducing and preventing pollution.
171. Outline the history of the flag of the United States.
172. Identify the courtesies rendered to the flag of the United States.
173. List the courtesies rendered to the National Anthem, Pledge of Allegiance, and the American's Creed.
174. Describe the Great Seal of the United States and the military services' seals.
175. Define civics.
176. Explain the need for government.
177. Explain citizenship and the naturalization process.
178. Analyze duties and responsibilities of citizenship, including volunteerism.
179. Identify the parts of the Constitution and what they mean.
180. Describe the process of amending the Constitution.
181. Explain how the Constitution is interpreted.
182. Explain the protections of individual freedoms in the Bill of Rights.
183. Identify ways the Bill of Rights protects the rights of the accused.
184. Describe other rights protected by the Bill of Rights.
185. Explain how the Bill of Rights protects all Americans.
186. Describe the legislative branch of government.
187. Explain the executive branch of government.
188. Describe the judicial branch of government.

## U.S. Air Force JROTC 2 580135

Students explore the Air Force JROTC program with a Cognia-accredited curriculum and STEM activities focusing on aerospace science, leadership education, and health and wellness. Both the aerospace science and leadership education portions of the course expose students to a wide array of topics. For example, in aerospace science, topics include the fundamental principles of flight, current and future methods for powering aircraft, hypersonic and supersonic flight, atmospheric components that effect flight, aviation weather basics, weather forecasting resources, weather conditions that impact aircraft and flight, and understanding weather charts. The curriculum also includes a study of current aircraft propulsion systems, aviation industry protective equipment and systems, flight instruments, G-Force mitigation, navigational technology, flight safety, flight simulators, and aviation career exploration. Leadership education develops leadership skills that are directly linked to the NOCTI *Leadership and Employability Skills* credential, which earns students three college credits upon successful completion. Students explore the basics of the communication process, how to improve listening skills, how to think critically, as well as ideas on how to write effectively. Students examine integrity, character, and personality and how they affect actions, consequences, and responsibilities. Students also analyze how to identify levels of conflict, steps for problem-solving, how to build consensus among team members, and how to develop a positive attitude. Students are presented with an introduction to U.S. Air Force leadership, including the basic elements of leadership, the Air Force leadership concept, and the Air Force Core Values. JROTC programs include a drill and ceremonies component, promoting professionalism and teamwork. Instruction in personal wellness, health, and fitness encourages students to lead healthy, active lifestyles into adulthood.

**Prerequisite:** U.S. Air Force JROTC 1 [580134](#)

**Recommended Grade Level: 9 – 12**

**Recommended Credit: 1**

**Students will:**

1. Examine the key principles of flight and how aircraft are designed to take advantage of the principles of flight.
2. Understand the fundamental principles of flight.
3. Explain the fundamental laws of physics that apply to flight.
4. Describe how an airfoil is designed to generate lift.
5. Examine the four forces required for flight.
6. Demonstrate how the four forces of flight must be balanced to achieve flight.
7. Examine how a wingtip vortex affects flight.
8. Describe the aerodynamic changes that occur as an aircraft experiences ground effect.
9. Examine how an aircraft is designed to attain safe and effective flight.
10. Discuss the key characteristics that must be considered when designing aircraft.
11. Examine the key parts of an aircraft and identify the function of each part.
12. Demonstrate the importance of an effective load distribution.
13. Understand how a flight is controlled.



14. Examine the three axes of rotation on an aircraft and how they affect flight movement.
15. Discuss the purpose and function of primary and secondary flight controls.
16. Describe the key stages of a controlled flight.
17. Examine the current and future methods for powering aircraft.
18. Describe aircraft propulsion systems.
19. Examine the laws of physics that apply to propulsion systems.
20. Compare the types of power systems used in aircraft.
21. Examine the future of aircraft propulsion systems.
22. Examine the use of remotely piloted aircraft and flight simulation aircraft.
23. Examine the history of remotely piloted aircraft (RPA).
24. Understand the different types of RPAs and how RPAs function.
25. Examine the safety of drones, including cybersecurity.
26. Examine the future of aircraft design.
27. Explain the concepts of supersonic and hypersonic flight.
28. Identify key innovations that are currently being explored in the aviation industry.
29. Research the current trends in aircraft design.
30. Analyze weather patterns and their effects on flight.
31. Examine the properties of the atmosphere that contribute to different weather patterns.
32. Examine the composition of the atmosphere and understand atmospheric pressure.
33. Investigate the motion of winds throughout the atmosphere and their effect on flight.
34. Discuss factors that determine atmospheric stability.
35. Evaluate the movement of air masses and changing weather conditions.
36. Compare the different types of weather fronts.
37. Discuss different types of storms.
38. Examine the resources available for forecasting weather in the aviation industry.
39. Analyze the tools provided for forecasting the weather.
40. Discuss how to access services that provide weather forecasting for aviators.
41. Understand the responsibilities of a pilot in evaluating the weather prior to flight.
42. Examine the impacts of weather on the aircraft and flight.
43. Identify ice hazards before and during flight and the impact on the aircraft.
44. Evaluate the effect of microbursts on flight.
45. Analyze the aviation hazards of dust storms.
46. Examine when turbulence occurs and how to avoid it.
47. Evaluate the impacts of flight on the human body and methods for protecting humans during flight.
48. Analyze the effects of flight on the human body.
49. Understand the health standards required for pilots.
50. Identify the effects of flight on the human body.
51. Explain how g-forces affect the human body.
52. Evaluate health conditions that can occur during a flight.
53. Examine the importance of vision and flight.
54. Examine the types of vision and how it's important to flight.
55. Discuss common vision problems that can cause issues when flying.
56. Analyze the elements of the communication process.
57. Explain how the communication process works.
58. Give examples of barriers to effective communication.
59. Illustrate the importance of feedback.

60. Demonstrate the ability to use good listening skills.
61. Describe the listening process.
62. Summarize the four types of listening.
63. Explain the importance of listening.
64. Give examples of myths about listening.
65. Describe bad listening habits.
66. Demonstrate effective listening techniques.
67. Demonstrate the ability to use good critical thinking skills.
68. Explain the importance of learning to think.
69. Identify the standards of critical thinking.
70. Discuss how to ask good questions.
71. Describe how to design and evaluate your learning.
72. Analyze the process in the basic checklist for writing.
73. Describe the steps in the basic checklist for writing.
74. Explain how to analyze your purpose and audience.
75. Explain how to conduct research to support your ideas.
76. Summarize ways to support your ideas.
77. Describe the benefits of getting organized.
78. Describe the elements of drafting and editing.
79. Explain the benefits of fighting for feedback.
80. Analyze the elements of effective writing.
81. Discuss what makes writing effective.
82. Explain what tone and clarity are.
83. Describe continuity and the three-part structure.
84. Summarize how to write effective sentences.
85. Apply safe and responsible practices for communicating online.
86. Deliver a presentation using the elements of effective speaking.
87. Describe what effective speaking is.
88. Discuss the importance of preparation for effective speaking.
89. Explain how to organize your presentation.
90. Describe the effective use of visual support.
91. Explain how to use presentation skills.
92. Practice and give your presentation.
93. Describe how interpreting events and experiences influences daily life and the future.
94. Discuss interpreting events and experiences.
95. Explain the hierarchy of needs.
96. Describe the importance of a positive outlook on life.
97. Summarize how perspective molds your understanding of life
98. Summarize how perspective molds your purposes, passions, and practices.
99. Discuss how personality shapes your perspective and motivation.
100. Explain how actions reveal your attitudes.
101. Analyze the benefits of developing a positive attitude.
102. Explain the significance of a positive attitude.
103. Describe why people use defense mechanisms.
104. Discuss the importance of integrity and credibility.
105. Discuss the importance of humility and patience.
106. Discuss the importance of respect and appreciation.
107. Describe the importance of focusing on task completion and people.

108. Examine how important traits leaders share help them overcome challenges.
109. Summarize what a good leader is.
110. Describe the actions associated with perseverance in a leader.
111. Describe the actions that identify courage in a leader.
112. Describe the actions associated with patience in a leader.
113. Analyze how integrity and character affect behavior.
114. Explain the importance of the traits of integrity.
115. Describe what it means to be a positive role model.
116. Discuss how character affects behavior.
117. Examine how personality affects your relations with other people.
118. Explain the theories of personality types and traits.
119. Describe how personality influences actions.
120. Discuss the value of different kinds of personalities.
121. Evaluate how your ability to take responsibility determines your ability to lead.
122. Describe the consequences of taking or avoiding responsibilities.
123. Explain how defense mechanisms affect your actions and decisions.
124. Discuss how you learn to take responsibility for your actions and decisions.
125. Evaluate how effective teams form and develop.
126. Explain the importance of working as a team.
127. Describe the characteristics of effective teams.
128. Summarize the four stages of team development.
129. Discuss how to run an effective meeting.
130. Analyze the importance of mutual respect in team building and performance.
131. Discuss the different dimensions of respect.
132. Discuss the values of tolerance and understanding.
133. Explain ways of improving group effectiveness.
134. Examine how having a common vision helps a team achieve its goals.
135. Describe the importance of a common vision.
136. Explain how to write a team charter
137. Summarize ways of enlisting others to work toward a common vision
138. Analyze the conflicts that arise in groups and the ways group members react to them.
139. Summarize the three types of problems in groups.
140. Describe the three types of conflict in groups.
141. Explain four main ways of handling conflict.
142. Examine how to apply problem-solving steps to group problems.
143. Describe the five common types of group problems.
144. Discuss common indicators of group problems.
145. Summarize the six steps of problem-solving.
146. Analyze ways to build consensus in a group.
147. Discuss the nature of consensus.
148. Summarize methods of building consensus.
149. Analyze how applying the elements of Air Force leadership and core values results in more effective leaders.
150. Summarize the two basic elements of leadership.
151. Explain the three Air Force Core Values.
152. Discuss the four reasons for recognizing the Core Values.
153. Analyze the characteristics that make an effective leader.
154. Discuss the six characteristics of effective leaders.

155. Describe the actions associated with competence in a leader.
156. Describe the actions associated with commitment in a leader.
157. Examine why the Air Force leadership principles result in effective leadership.
158. Discuss the key principles of leadership.
159. Explain the importance of knowing yourself and your role.
160. Explain the importance of setting an example.
161. Explain the importance of caring for your people.
162. Discuss the need to communicate, educate, equip, and motivate people effectively.
163. Discuss the importance of accepting responsibility.
164. Summarize the need to develop teamwork.
165. Analyze how leaders adapt their leadership styles to meet mission demands.
166. Discuss the two orientations of leadership behavior.
167. Explain the four leadership styles.
168. Summarize the primary factors of the leadership situation.
169. Examine the relationship between effective followers and effective leaders.
170. Explain the importance of good followership.
171. Discuss the readiness factors of followers.
172. Discuss how to build effective relationships with leaders.
173. Summarize actions to take to become an effective follower.
174. Analyze leadership preparation and practice.
175. Discuss how to prepare for leadership.
176. Summarize key elements of effective coaching and mentoring.
177. Explain ways to practice leadership.
178. Summarize actions that demonstrate leadership maxims.

## U.S. Air Force JROTC 3 580136

Students explore the Air Force JROTC program with a Cognia-accredited curriculum and STEM activities focusing on aerospace science, leadership education, and health and wellness. Both the aerospace science and leadership education portions of the course expose students to a wide array of topics. For example, in aerospace science, students are introduced to global awareness, which assists them in understanding the importance of studying other cultures around the world. This content was specifically prepared for students to both spark an interest in cultural education, and to aid students in becoming the best global citizen they can be. After a general overview of the specific region studied, the global awareness content then focuses on the 12 cultural domains of each region. Civilizations share behaviors that distinguish groups from one another, and their patterns are generally known as subsistence, family, heritage, religion, political systems, communication, and sport, among others. Students explore topics such as changes the Middle East underwent in the twentieth century and the spread of nuclear weapons there in the twenty-first century; Asia's environmental and social challenges and research the region's impact on U.S. security and its economy; and Africa's covers a continent subject to outside influences, from Arab merchants and Islam to European traders and Christianity. Leadership education develops leadership skills that are directly linked to the NOCTI *Leadership and Employability Skills* credential, which earns students three college credits upon successful completion. Students study important concepts in financial literacy, building financial security and wealth accumulation, the types of credit, positive and negative aspects of using credit, the importance of monitoring credit to build a positive credit history, budgeting, savings and checking accounts, insurance, and protecting personal and financial information. Students evaluate the process of successfully pursuing desired career opportunities, charting a career path based on key individual factors, selecting and applying for college, college funding options, and preparation for college life. Students also learn to create a professional portfolio, organize personal and organizational values, maintain effective verbal and nonverbal communication, seek and receive constructive feedback, and identify successful tips for earning a promotion. JROTC programs include a drill and ceremonies component, promoting professionalism and teamwork. Instruction in personal wellness, health, and fitness encourages students to lead healthy, active lifestyles into adulthood.

**Prerequisites:** U.S. Air Force JROTC 1 [580134](#) **AND** U.S. Air Force JROTC 2 [580135](#)

**Recommended Grade Level: 10 – 12**

**Recommended Credit: 1**

**Students will:**

1. Know why the Middle East is viewed as a cradle of western civilization.
2. Know the characteristics of Judaism, Christianity, and Islam.
3. Know about changes in the Middle East during the 20th Century.
4. Know the different groups of people who live in the Middle East.
5. Know what historical events contributed to the founding of modern Israel.
6. Know about the historical events associated with the Six-Day War of 1967.
7. Comprehend how the Yom Kippur War of 1973 affected Arab-Israeli relations.
8. Know the various attempts at lasting peace in the Middle East.

9. Know the historical situation of Iraq under the rule of Saddam Hussein.
10. Know the historical events associated with the 1991 Persian Gulf War.
11. Know the events surrounding the 2003 U.S. invasion of Iraq.
12. Know the U.S. attempts to stabilize Iraq since the 2003 invasion.
13. Know the general impact of terrorism in the world.
14. Know how radical Islamist beliefs contribute to terrorism.
15. Know the events associated with the 9/11 attacks and the Global War on Terror.
16. Know the importance of the production and distribution of oil and energy.
17. Comprehend how the clash of Middle Eastern and Western cultures affects relationships between people from Middle Eastern and people from Western cultures.
18. Know the importance of nuclear nonproliferation and the Iranian Issue for the United States.
19. Know the importance of the water problem in the Middle East.
20. Know the geographic locations of Japan, Korea, China, India, Pakistan, and Afghanistan.
21. Know the major religions of Asia.
22. Know the main ethnic groups of Asia.
23. Know the history of the unitary government and the rule of warlords in China.
24. Know what caused the shift from isolation to openness in Japan.
25. Know the impact of domination and division in Korea.
26. Know the political and economic impact of World War II on China and Japan.
27. Know that Japan, South Korea, and China have become economic powerhouses.
28. Know the pre-colonial history of the Mughals in the Indian subcontinent.
29. Know the encounter with Europe and the colonial period in the region.
30. Know the history of the struggle for independence in South Asia.
31. Know what caused the partition and war between India and Pakistan.
32. Know how Muslim-Hindu strife affects the politics and economics of South Asia.
33. Know which groups have struggled for control in Afghanistan and why.
34. Know the impacts of industrialization and pollution in China and India.
35. Know the interactions between the rich, urban, and poor rural areas in Asia.
36. Know the role of women in India, Pakistan, and Afghanistan.
37. Know China's one-child policy.
38. Comprehend the challenges of human trafficking and sex tourism in Asia.
39. Comprehend the dilemma that North Korea creates for the U.S.
40. Know the important issues of nuclear nonproliferation in India and Pakistan.
41. Comprehend the impacts of global wages, labor, outsourcing, and offshoring in the U.S.
42. Know why Asia represents a new target market for U.S. corporations.
43. Know the effects of Asian imports on the U.S. market and economy.
44. Comprehend the human rights issues in various Asian nations.
45. Know the five major regions of Africa.
46. Know the natural resources of Africa.
47. Know the distinctive characteristics of African culture.
48. Know the main ethnolinguistic groups in Africa.
49. Know the main language groups in Africa.
50. Comprehend how Islam, Christianity, and indigenous religions influence Africa.
51. Know the pre-colonial period of African history.
52. Know the colonial period of African history.
53. Know the history and impacts of African independence.

54. Comprehend how ethnic and sectarian politics undermined democracy in Africa.
55. Comprehend the tensions between Arabs and Africans in Sudan.
56. Comprehend the tensions between Hutus and Tutsis in Rwanda.
57. Comprehend the tensions between Afrikaners, English, and Africans in Zimbabwe and South Africa.
58. Know the civil wars of Liberia, Sierra Leone, and the Congo.
59. Know the main health challenges in Africa.
60. Know the extent and impact of AIDS in Africa.
61. Know the recurring problems with famine in Africa.
62. Know the main environmental issues facing Africa.
63. Know the human rights issues in Africa.
64. Know the challenges of resources and commerce in the regions of Africa.
65. Know the immigration trends associated with Africa.
66. Comprehend the challenges associated with pirating and lawlessness in Somalia.
67. Comprehend the U.S. and European development efforts in Africa.
68. Know the geographic locations of Russia and the countries of the former Soviet Republics.
69. Know the major religious groups of Russia and the former Soviet Republics.
70. Know the historical context of Russia from the Kievan Rus through the time of Peter the Great.
71. Know how events from the Nineteenth Century and World War I contributed to the October Revolution.
72. Know the economic and political impacts of World War II and the Cold War on Russia.
73. Know the effects of the fall of communism.
74. Know the characteristics of communism as an economic system.
75. Know the economic and political influence of Marx, Lenin, and Stalin on communism in Russia.
76. Know how the Soviet economic system worked and eventually failed.
77. Know the importance of the export of resources for the restructured Russian economic system.
78. Know the political and economic influence of Russia on Ukraine, Belarus, and Moldova.
79. Know the political and economic influence of Russia on the Baltic States.
80. Know the political and economic influence of Russia on Armenia, Georgia, and Azerbaijan.
81. Know the political and economic influence of Russia on Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, and Turkmenistan.
82. Comprehend the historical relationship between Russia and the United Nations.
83. Comprehend the historical relationships between Russia and neighboring European nations.
84. Comprehend the historical relationship between Russia and the three major Asian nations: China, Japan, and Korea.
85. Comprehend the historical relationships between Russia and the United States.
86. Know the impact of the restructured Russian economic system on worldwide democracy.
87. Know the Russia-U.S. challenges of nuclear threats, nonproliferation, and missile defense.
88. Know the impacts on the United States caused by Russian oil production and

distribution.

89. Know the importance of the cooperation in space between Russia and the United States.
90. Know the geographic locations of the five major regions of Latin America.
91. Know the major religious groups and languages of Latin America.
92. Know the history before the Spanish conquest and the consequences of the Spanish conquest of Latin America.
93. Know some key historical events associated with Latin America since independence.
94. Know the challenges of the region's economic systems.
95. Know the challenges related to the political struggle for power.
96. Comprehend how weak governments, corruption, and crime affect economic development.
97. Know about the struggle for power between church and state.
98. Know how free trade agreements have affected the region.
99. Know the key factors that drive and sustain the drug trade.
100. Know how the drug trade undermines local governments and damages economies.
101. Know how the U.S. and local governments have tried to cut off the drug trade.
102. Know how reliance on commodities versus manufactured goods impacts poverty.
103. Comprehend the impact of racial and socioeconomic divisions in Latin America.
104. Know how poor education, urban overcrowding, and high population growth contribute to poverty.
105. Know the challenges of environmental pollution and deforestation.
106. Know the history of U.S. relations with Cuba.
107. Know the history of U.S. relations with Haiti.
108. Know the challenges of migration from Latin America to the United States.
109. Know the effects on the U.S. of the political and economic challenges in Latin America.
110. Know the geographic locations of the major nations of Europe on a map.
111. Know how Ancient Greece and the Roman Empire influenced Europe's development.
112. Know how Christianity, Islam, and Judaism affected the development of Europe.
113. Know how nationalism destroyed the continental European empires.
114. Know how Marxism, socialism, and fascism affected the development of Europe.
115. Know the origins of the European Union.
116. Know which countries are members of the European Union.
117. Know the political and economic structure of the European Union.
118. Know the importance of the Euro as a world currency.
119. Know why European countries have permitted immigration
120. Know why immigrants have had difficulty assimilating into European societies.
121. Know the difficulties Al Qaeda and its allies have posed for Europe.
122. Know the background of ethnic and religious strife in Northern Ireland.
123. Know how Yugoslavia was created after World War I.
124. Know how World War II affected Yugoslavia.
125. Know the role of Josip Broz Tito in uniting Yugoslavia after World War II.
126. Know how Yugoslavia dissolved into seven independent countries.
127. Know the history of ethnic cleansing in the Balkans.
128. Know why the United States intervened in the two world wars and fought the Cold War.
129. Know the historical purpose and current activities of the North Atlantic Treaty



Organization (NATO).

130. Comprehend the importance to the U.S. economy of trade with Europe.
131. Comprehend the development of human rights and democracy in Eastern Europe following the Soviet Union's collapse.
132. Create a personal budget and financial plan.
133. Describe the components of a personal financial plan.
134. Identify steps for creating and developing a personal financial plan.
135. Explain the elements of a budget.
136. Analyze services when choosing a bank.
137. Describe the types of services provided by the bank.
138. Compare and understand services when choosing a bank.
139. Demonstrate how to conduct bank transactions.
140. Analyze steps for safe electronic banking.
141. Evaluate the buying and selling issues that occur in real life.
142. Explain types of shopping issues in daily life.
143. Summarize renting or leasing an apartment.
144. Generate a plan for buying or leasing a car.
145. Construct a plan for building your credit history.
146. Describe what credit is, and important credit terms.
147. Explain the positive and negative aspects of using credit.
148. Examine sources of credit.
149. Calculate how credit works.
150. Describe how to use credit responsibly.
151. Differentiate between credit and credit card options.
152. Examine how to avoid credit card fraud.
153. Analyze the consequences of deficit spending.
154. Evaluate the advantages of having property protected.
155. Recall what insurance is and why it is necessary.
156. Analyze the major types of insurance available to you.
157. Create a plan to protect your personal and financial information.
158. Create a career path strategy to assist in making career decisions
159. Recall the importance of selecting and charting a career path.
160. Compare having a career versus getting a job.
161. Analyze a process to plan for career options.
162. Evaluate factors to consider when planning a career path and career planning information sources.
163. Evaluate the types of career paths as related to Interests / Aptitude / Attitude.
164. Utilize personal inventories to understand yourself and your career direction.
165. Identify your aptitudes and interests.
166. Identify your preferred learning styles.
167. Analyze personal preferences associated with various work environments and fields of Interest.
168. Evaluate career paths that link to your personal aptitudes.
169. Analyze the requirements needed to pursue the career that best fits personal skills and skills and interests.
170. Recall the advantages of a technically oriented career path.
171. Explain the types of job classifications associated with technically oriented career paths.

172. Analyze the earning potential of various technically oriented career paths.
173. Analyze different ways of pursuing a technically oriented career path.
174. Recall the advantages of pursuing post-secondary degrees.
175. Explain the types of careers associated with educational tracks.
176. Investigate the earning potential of various education-oriented career paths.
177. Analyze different ways of pursuing an education-oriented career path.
178. Create a personal plan for financing college.
179. Identify the financial costs of college.
180. Describe sources for college funding.
181. Create a plan to finance a college education.
182. Evaluate the criteria for selecting a college based on your personal goals.
183. Describe the process for choosing a college.
184. Summarize the criteria for selecting a college.
185. Compare alternative programs for earning college credit.
186. Evaluate the college application process.
187. Identify colleges that will best meet your needs.
188. Create test-taking strategies to promote success on college placement exams.
189. Describe college entrance examinations.
190. Compare college placement exams.
191. Identify methods for conquering test anxiety.
192. Evaluate strategies for test-taking.
193. Outline procedures for taking standardized tests.
194. Create a college application essay.
195. Explore the personal side of the college application process.
196. Examine how to write a college application essay.
197. Describe how to have a successful interview.
198. Summarize the importance of campus visits.
199. Evaluate the importance of personal accountability.
200. Discuss aspects of campus life.
201. Summarize what is expected of you as a student.
202. Organize recommendations on how to make healthy lifestyle choices.
203. Evaluate the importance of personal accountability.
204. Analyze careers associated with possible majors.
205. Identify majors that match your interests.
206. Understand basic areas of college study.
207. Evaluate careers associated with possible majors.
208. Create a six-step process for selecting a college major.
209. Create a plan for managing your college schedule.
210. Recall the importance of time management.
211. Describe procrastination and identify methods to beat it.
212. Evaluate methods to manage your college schedule.
213. Evaluate multiple sources for finding job openings.
214. Describe potential jobs that meet personal preferences.
215. Organize ideas for selling your skills to an employer.
216. Evaluate multiple sources for finding job openings.
217. Create a personal resume and cover letter specific to a job opening
218. Describe the purpose of a résumé.
219. Classify the different types of résumés.

220. Identify tips for writing a great résumé.
221. Create a personal résumé.
222. Create a cover letter specific to a job opening.
223. Create a portfolio to be used during a job search.
224. Evaluate how an employer interviews prospective employees.
225. Describe the interview process.
226. Explain the “dos” and “don’ts” of interviews.
227. Identify different types of interviews.
228. Outline basic interview questions.
229. Evaluate how employers evaluate interviewees.
230. Analyze military service as a career.
231. Describe the branches of the U.S. military.
232. Analyze the reasons for choosing a military career.
233. Analyze entering the military as an enlisted member.
234. Compare the educational opportunities for enlisted military members by service.
235. Describe serving the military as a warrant officer.
236. Create a plan for entering the military as a member of the Officer Corps.
237. Differentiate between different careers in the aerospace industry.
238. Recall careers in aerospace.
239. Describe major organizations in the aerospace sector.
240. Compare educational requirements for aerospace careers.
241. Analyze career options in the aerospace industry.
242. Evaluate careers in public service.
243. Identify types of public service careers.
244. Evaluate careers available in the public service sector.
245. Analyze options for criminal justice careers.
246. Analyze careers in fire science and technology.
247. Recall careers in homeland security.
248. Analyze personal values that contribute to professional success.
249. Summarize the process of planning for professional development.
250. Create a career portfolio.
251. Identify organizational and personal values that contribute to success.
252. Evaluate barriers to effective collaboration and teamwork.
253. Understand the communication process.
254. Recall verbal and nonverbal communication.
255. Describe barriers to effective communication.
256. Evaluate communications within organizations.
257. Demonstrate collaboration and teamwork.
258. Generate a career-path strategy.
259. Analyze feedback in the workplace.
260. Describe strategies for earning a promotion.
261. Develop a career-path strategy.
262. Evaluate the positive aspects of civic responsibility.
263. Recall the importance of civic responsibility.
264. Explain the process to register to vote.
265. Summarize the selection process for jury duty.
266. Recommend ways to become involved in the community.

## U.S. Air Force JROTC 4 580137

Students explore the Air Force JROTC program with Cognia-accredited instruction and STEM activities focusing on aerospace science, leadership education, and health and wellness. Both the aerospace science and leadership education portions of the course expose students to a wide array of topics. For example, in aerospace science, students explore the latest information on space exploration, an in-depth view of the solar system, including Earth, the Sun, the Moon, and planets, the history of space travel and more modern space probes and robotics, the effects of space on the human body, the history of rockets, launch vehicles, and the coordinated systems required for a successful launch into space, the importance of cybersecurity in space and daily life, the effect of space on the human body, and the study of space biomedicine. Students analyze the benefits of space exploration, NASA's plans for space exploration, and the role of private industry in space exploration. Students also examine the future of U.S. space travel, including the potential of asteroid mining, lunar exploration, Mars missions, space tourism, and the effects of space technology on daily lives, such as satellites and GPS. Students discuss the components necessary for a successful space mission, including the qualifications and training of astronauts. Leadership education develops leadership skills that are directly linked to the NOCTI *Leadership and Employability Skills* credential, which earns students three college credits upon successful completion. Leadership education fine-tunes leadership skills, acquaints students with the practical applications of life skills, and includes a drill and ceremonies component. Instruction in personal wellness, health, and fitness encourages students to lead healthy, active lifestyles into adulthood. JROTC programs include a drill and ceremonies component, promoting professionalism and teamwork. Instruction in personal wellness, health, and fitness encourages students to lead healthy, active lifestyles into adulthood.

**Prerequisites:** U.S. Air Force JROTC 1 [580134](#), U.S. Air Force JROTC 2 [580135](#), **AND** U.S. Air Force JROTC 3 [580136](#)

**Recommended Grade Level: 10 – 12**

**Recommended Credit: 1**

### **Students will:**

1. Describe the key prehistoric and classical astronomy models.
2. Describe the celestial sphere and its relationship to the motions of stars and other objects in the sky.
3. Analyze the Greek earth-centered model for explaining relationships among celestial objects.
4. Analyze the strengths and weaknesses of Ptolemy's model.
5. Explain the models of astronomy discovered during the renaissance period.
6. Describe Copernicus's heliocentric system and how it relates to other models.
7. Analyze Kepler's Law of planetary motion.
8. Describe the models of astronomy from the enlightenment period and modern ages.
9. Explain the significance of Galileo's observations.
10. Describe Newton's three laws of motion.
11. Analyze the principle of equivalence and the general theory of relativity.

12. Describe the components of the Earth and the Moon.
13. Describe the components of Earth, including the interior, atmosphere, and magnetic field.
14. Evaluate the size of the moon relative to its position and phase.
15. Define the relationship between the Earth and the Moon.
16. Describe the components of the Moon, including craters, lowlands, and the crust.
17. Analyze the sun and the structure of the solar system.
18. Examine the source of the sun's energy.
19. Explain the characteristics and components of the sun.
20. Analyze the classification system and structure of the solar system.
21. Examine the planets and objects of the solar system.
22. Explore the environment of terrestrial planets in the solar system.
23. Describe the outer planets and dwarf planets in the solar system.
24. Understand comets, asteroids, meteors and the Kuiper belt.
25. Explore the Milky Way galaxy and deep space.
26. Explore the composition of the Milky Way galaxy.
27. Examine the classifications and types of other galaxies.
28. Explore black holes, dark matter, nebulae, and pulsars.
29. Explain the theory on the creation of the universe.
30. Analyze the current strategic goals for space exploration.
31. Describe the historical benefits of space exploration.
32. Analyze NASA's plan for space exploration.
33. Investigate the benefits and contributions of private industry in space exploration.
34. Evaluate the key components of planning a space mission.
35. Investigate the essential components of a space mission.
36. Evaluate the duties, training, and qualifications of astronauts.
37. Investigate hazards faced by spacecraft while in space.
38. Discuss the radiation hazards to spacecraft when traveling in space.
39. Discuss the potential hazards of impacts with space debris.
40. Analyze the threats to spacecraft associated with surface landings.
41. Explain the fire hazards associated with space travel to a spacecraft.
42. Examine national strategies from space programs around the world.
43. Discuss the U.S. strategy for space exploration.
44. Examine the Russian and Chinese space program's initiatives and accomplishments.
45. Discuss the space missions from other nation's space programs.
46. Explore the missions and characteristics of the U.S. manned space program.
47. Examine the significance of U.S. manned space missions throughout history.
48. Discuss the purpose of the shuttle program.
49. Examine the main features of the space shuttle.
50. Analyze the lessons learned from the Challenger and Columbia accidents.
51. Examine the health effects of space travel on the human body.
52. Evaluate how space travel affects the human body.
53. Examine the threat of radiation to astronauts traveling in space.
54. Discuss the study of biomedicine in space.
55. Analyze the key accomplishments and goals of space stations throughout history.
56. Analyze the accomplishments and research of the Salyut.
57. Analyze the accomplishments and research of the Skylab.
58. Analyze the accomplishments and research of the Mir program.

59. Examine the features of the International Space Station.
60. Examine the future of U.S. space travel.
61. Discuss NASA's strategic plan for space exploration.
62. Examine the benefits of potential asteroid mining.
63. Examine the possibility of lunar exploration.
64. Analyze the potential challenges and technologies required for an exploration of Mars.
65. Analyze the growing interest in space tourism.
66. Analyze how space technology is incorporated into your daily life.
67. Discuss how people use satellites every day.
68. Explain the uses for commercial satellites and the process to launch satellites.
69. Examine how GPS is used in daily life.
70. Discuss how NASA shares its inventions with the private sector.
71. Discuss the space probe missions to the Sun, Moon, Venus, and Mars.
72. Explain the spacecraft that have been used to study the sun.
73. Discuss the unmanned lunar exploration missions.
74. Discuss the unmanned Venus exploration missions.
75. Discuss the unmanned Mars exploration missions.
76. Examine probes that have traveled to deep space.
77. Analyze the past, present and future uses of robotics in space.
78. Examine the purpose of robots in space.
79. Discuss the history of robotics in space.
80. Analyze the current uses of robotics in space.
81. Analyze the Mars Rover program and discuss the possibilities for the future of the program.
82. Discuss the history of the Mars Rover expedition.
83. Analyze the accomplishments, challenges, and goals of the Mars Rover expedition.
84. Identify future goals of the Rover program.
85. Analyze the concept of orbiting and the types of orbits.
86. Examine how orbits work.
87. Discuss the different types of orbits.
88. Examine the methods of navigating for successful space travel.
89. Examine trajectories in space travel.
90. Discuss methods for maneuvering in space.
91. Analyze the navigational data of spacecraft.
92. Investigate the science behind how rockets work.
93. Discuss the evolution of rocket technology.
94. Discuss the history and principles of rocket science.
95. Analyze the different types of rockets.
96. Examine the types of launch vehicles.
97. Discuss the factors involved in launching a rocket.
98. Examine the basic fundamentals of cybersecurity.
99. Describe the role of cybersecurity.
100. Examine possible cyber threats to U.S. military and commercial assets.
101. Analyze requirements for cybersecurity in protecting U.S. assets.
102. Examine the principles of cybersecurity and the basic methods for protecting your computer.
103. Identify the main principles of cyber safety.

104. Examine cyber strategies for personal defense.
105. Describe why a cyber-strategy is critical to defeating cyber weapons.
106. Examine cybersecurity policies of the U.S. military and government.
107. Examine the role of Homeland Security in cybersecurity.
108. Explain the U.S. Department of Defense's cyber strategy.
109. Examine the role of cyber warfare.
110. Analyze management and its application to JROTC.
111. Analyze the elements of project management.
112. Evaluate the importance of formal planning within an organization.
113. Analyze decision-making within an organization.
114. Evaluate time management and change management within an organization.
115. Analyze concerns managers must consider in managing individuals and groups.
116. Analyze the factors that make work teams productive.
117. Evaluate the interpersonal skills of delegating, negotiating, and mentoring.
118. Analyze what management is.
119. Summarize the definition of management.
120. Explain how “managing” is different from “doing.”
121. Discuss what management means for a JROTC cadet.
122. Describe the responsibilities of managing the Cadet Corps.
123. Discuss managing activities.
124. Summarize managing systems and technology.
125. Explain managing yourself as you help manage your unit.
126. Examine how management and leadership are both alike and different
127. Analyze feedback in the workplace.
128. Describe strategies for earning a promotion.
129. Develop a career-path strategy.
130. Analyze what is involved in initiating and planning a project.
131. Describe what a project is.
132. Explain when something needs to be treated as a project.
133. Identify what is involved in initiating a project.
134. Discuss what is involved in planning a project.
135. Discuss how to determine the resources needed for a project.
136. Describe the responsibilities of managing the Cadet Corps.
137. Describe what is involved in organizing a project.
138. Describe what is involved in executing a project.
139. Explain why it is important to control a project.
140. Analyze the importance of closing a project.
141. Discuss why closeout is an important part of a project.
142. Describe what closing out a project includes.
143. Explain why it is important to capture the lessons learned for the future.
144. Examine the kind of planning that managers need to do.
145. Summarize the arguments for and against planning.
146. Explain the types of plans organizations use.
147. Discuss the types of goals an organization sets.
148. Analyze how to know how much planning is enough.
149. Discuss balancing planning and doing.
150. Explain uncertainty factors in planning.
151. Explain the kinds of events an organization must prepare for.

152. Evaluate how to think together with others in meetings to make plans and set goals.
153. Explain how to think together as a group.
154. Describe the importance of real dialogue within a group
155. Examine different approaches to making decisions.
156. Analyze the six steps of the decision-making process.
157. Discuss the difference between rational and intuitive decision-making.
158. Explain making decisions through bounded rationality.
159. Evaluate issues needing a decision based on their urgency or importance.
160. Describe the Eisenhower Principle.
161. Explain the difference between importance and urgency in making decisions.
162. Discuss making decisions in groups.
163. Analyze various elements necessary for effective time management.
164. Explain the importance of managing your time.
165. Discuss how to be effective, not just busy.
166. Describe the different time-management tools.
167. Describe weekly and daily schedules.
168. Analyze the management of change in an organization.
169. Explain what causes change in organizations.
170. Describe two metaphors for the change process.
171. Discuss handling resistance to change.
172. Analyze issues in motivating others.
173. Discuss theories of motivation.
174. Summarize managing a diverse cadet unit.
175. Explain how learning affects motivation.
176. Describe the challenges in evaluating others' performance.
177. Explain how your perceptions influence your management of others.
178. Discuss evaluating subordinates.
179. Describe the basics of giving an evaluation.
180. Examine how managers deal with difficult situations.
181. Discuss managing conflict.
182. Explain different people and difficult people.
183. Summarize ways to deal with difficult people.
184. Analyze how to structure and build effective work teams.
185. Explain how work groups develop and behave.
186. Discuss the types and characteristics of effective work teams.
187. Summarize how to build effective work teams.
188. Analyze how effective work-teams function.
189. Explain how people become effective team members.
190. Describe the elements of an effective team meeting.
191. Discuss what is involved in handling team challenges.
192. Examine communication problems and solutions for work teams.
193. Discuss various ways of sharing information with team members.
194. Explain how to ensure effective communication.
195. Describe choosing the best method for the situation.
196. Examine the art of delegating responsibility to subordinates.
197. Explain what it means to delegate.
198. Summarize the steps to delegating efficiently.
199. Discuss challenges in delegating.



200. Analyze the elements of successful negotiation.
201. Discuss managers and negotiation.
202. Explain the two types of negotiation.
203. Summarize how to negotiate.
204. Analyze the mentoring process from the standpoint of both mentor and protégé.
205. Discuss the manager as a mentor and coach.
206. Summarize mentoring and coaching techniques.
207. Describe the role of the mentee.

## U.S. Air Force Honors Senior Project 580138

This culminating (capstone) project is designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and performance. Skills in analysis, logic, and creativity will also be showcased through the successful completion of this project. The Honors Project is primarily targeted for senior students in a three- or four-year program. However, it is not uncommon for other academically successful students enrolled in Advanced Placement, Honors, or in an International Baccalaureate program to successfully complete this project. This course is offered to continue to improve cadet critical thinking and research skills; selected students with demonstrated academic capabilities may also enroll in this class with Senior Aerospace Science Instructor approval. Credit earned cannot be substituted for pathway courses to achieve concentrator or completer status.

**Prerequisites:** U.S Air Force JROTC 1 [580134](#), U.S. Air Force JROTC 2 [580135](#), U.S. Air Force JROTC 3 [580136](#), **AND** U.S. Air Force JROTC 4 [580137](#)

**Recommended Grade Level: 11 – 12**

**Recommended Credit: 1**

### **Students will:**

1. Apply theories and techniques learned in previous leadership courses.
2. Apply leadership and management competencies through corps management activities.
3. Demonstrate strengthened organizational skills through corps activities.
4. Study military heritage, organization, tradition, self-control, drill, and proper wear of the Air Force uniform.
5. Discuss military aerospace policies.
6. Identify how army Air Force JROTC can impact your future.
7. Study the exploration of Space and Astronomy.
8. Develop a high degree of strong morals, self-esteem, self-reliance, personal appearance, and leadership.
9. Demonstrate employability and social skills relative to the career cluster, including cell phones, internet etiquette, introductions, and grammar.
10. Adhere to the values of integrity, service and excellence.
11. Compare and contrast the positive and negative characteristics of being a leader.
12. Increase understanding of patriotism and responsibilities as U.S. citizens.
13. Demonstrate leadership as a role model, coach and counselor, plus assist instructor while managing the Corps of Cadets in a leadership position.
14. Participate in community service activities.
15. Study the history and how the U.S. Air Force has been involved in making our Nation's history.
16. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
17. Demonstrate citizenship lessons by performing public service projects throughout the area.
18. Expand skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation.
19. Demonstrate military customs, courtesies, and traditions to develop habits of order,

social skills, and discipline.

20. Acquire a broad-based knowledge of aerospace studies and leadership education.
21. Strive to graduate from high school and prepare for college and careers in the 21st century. 2024 – 2025 JROTC Courses Page 12 of 38
22. Cultivate a commitment to physical fitness and a healthy lifestyle.
23. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
24. Learn about flight navigation and the purpose of navigation aids.
25. Display proper manner to wear uniform, awards, decorations, and insignia.
26. Promote STEM (Science, Technology, Engineering, and Mathematics) Camp.
27. Participate in Cyber Patriot, a competition to inspire students towards STEM careers.
28. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
29. Perform drill formations, regulations, and exhibition categories for drill competitions.
30. Provide examples of character, organizational responsibility, and leadership for younger cadets.

## U.S. Air Force Drill and Ceremonies 580100

The Drill and Ceremonies manual is used to teach the Drill Curriculum course by providing an in-depth introduction to drill and ceremonies. The course concentrates on the elements of military drill and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and can personally learn drill. Credit earned cannot be substituted for pathway courses to achieve concentrator or completer status.

**Recommended Grade Level: 9 – 12**

**Recommended Credit: .5**

**Students will:**

1. Know the importance of drill and ceremonies.
2. Know basic commands and characteristics of the command voice.
3. Apply and execute the concepts and principles of basic drill positions and movements.
4. Know when and how to salute.
5. Apply the principles and procedures of drill movements used with smaller units to the movement of a squadron.
6. Know the function of the group and the wing.
7. Know how groups and wings are formed.
8. Know the purpose and definition of ceremonies and parades.

## U.S. Air Force Wellness 580101

Wellness is an official and integral part of the Air Force Junior ROTC program. The wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help develop individualized fitness programs for your students. Students will be given the opportunity to put into practice the wellness concepts that are taught in JROTC 1. Credit earned cannot be substituted for pathway courses to achieve concentrator or completer status.

**Recommended Grade Level: 9 – 12**

**Recommended Credit: .5**

**Students will:**

1. Participate in an individualized fitness program based on national standards by age and gender.
2. Identify areas of improvement and implement steps provided by instructor guidance for improvement.
3. Incorporate a physical fitness and wellness program to reach fitness goals.
4. Adopt active, healthy lifestyles beyond program requirements and into their adult lives.
5. Initiate independent and responsible personal behavior in physical activity settings.
6. Accept the responsibility for taking a leadership role and willingly follow appropriate guidance to accomplish group goals.
7. Analyze factors that influence personal physical activity patterns throughout life.

## U.S. Air Force Aviation Honors Ground School (AHGS) 580102

Aviation Honors Ground School (AHGS) is taught as the aerospace science component of an AFJROTC course designed for senior Air Force JROTC cadets. Due to the difficulty of the material, only qualified third- and fourth-year students are allowed to enroll, and the AFJROTC instructor determines eligibility. The goal is to prepare students to master skills identified in the Federal Aviation Regulations, CFR 61. Instructors must be certified by the FAA or have a certified instructor sign off on the course content. In some cases, instructors can be external but require school approval. Credit earned cannot be substituted for pathway courses to achieve concentrator or completer status.

**Recommended Grade Level: 9 – 12**

**Recommended Credit: .5**

### **Students will:**

1. Recall the pilot training process.
2. Describe available aviation careers.
3. Analyze the different pilot ratings and certificates that may be added to a basic private pilot certificate.
4. Evaluate the role of crew resource management (CRM) in safe aircraft operation.
5. Recall how human factors affect aircraft operation.
6. Describe the aircraft components and their purpose.
7. Examine aircraft power plants and related systems.
8. Describe flight instrument functions and operating characteristics, including errors and common malfunctions.
9. Define the four forces of flight, aerodynamic laws of motion, and principles of airfoil design.
10. Describe the effect of the three axes of flight on aircraft controllability and stability.
11. Analyze the interaction of lateral and directional stability in safe aircraft operation.
12. Examine stall/spin variables as they relate to takeoff, flight, and landing.
13. Describe the importance of prompt recognition of stall indications.
14. Describe important safety considerations, including collision avoidance precautions, right-of-way rules, and minimum safe altitudes.
15. Identify airport runway marking and lighting, aeronautical charts, and types of airspace.
16. Recall collision avoidance procedures and runway incursion avoidance.
17. Recall radar, transponder operations, and FAA radar equipment, and services for VFR aircraft.
18. Describe the types of services provided by Flight Service Stations (FSS).
19. Demonstrate how to use the aircraft radio for effective communication.
20. Describe sources of flight information, particularly the Aeronautical Information Manual and FAA advisory circulars.
21. Analyze the causes of various weather conditions, frontal systems, and hazardous weather phenomena.
22. Recall how to recognize critical weather situations from the ground and during flight,

- including hazards associated with thunderstorms.
23. Describe recognition and avoidance of wind shear and wake turbulence.
  24. Describe how to obtain and interpret weather reports, formats, and graphic charts.
  25. Recall sources of weather information during preflight planning and while in flight.
  26. Recognize critical weather situations described by weather reports and forecasts.
  27. Describe how to use data supplied by the manufacturer to predict airplane performance, including takeoff and landing distances and fuel requirements.
  28. Analyze the effects of density altitude on takeoff and climb performance.
  29. Compute and control the weight and balance condition of a typical training airplane.
  30. Demonstrate basic functions of flight computers.
  31. Demonstrate basic concepts for VFR navigation using pilotage, dead reckoning, and aircraft navigation systems.
  32. Describe guidelines and recommended procedures related to flight planning, use of an FAA Flight Plan, VFR cruising altitudes, and lost procedures.
  33. Recall advanced navigation using area, long-range, and global navigation systems.
  34. Examine important aviation physiological factors as they relate to private pilot operations.
  35. Analyze accepted procedures and concepts pertaining to aeronautical decision-making and judgment, including cockpit resource management and human factors training.
  36. Describe the planning process for a cross-country flight.
  37. Examine flying a typical cross-country flight, including evaluation of in-flight weather and decisions for alternative actions, such as a diversion.
  38. Demonstrate how to evaluate and plan for alternatives.

# U.S. Army JROTC Leadership Education and Training (LET) 1 – The Emerging Leader 580240

This is the first of four core courses in the U.S. Army Junior Reserve Officers' Training Corps (JROTC) high school program. This course supports 22 lessons designed for first-year Cadets. Because the central focus of the JROTC program is to help develop strong leaders and model citizens, first-year Cadets are introduced to content that will help the inner leader begin to emerge. Courses may be taken as non-Honors or Honors courses. Knowledge, skills, and abilities acquired in this unit are covered in five chapters.

The Leadership Education Curriculum focuses on the development of cadet leadership skills, which are directly linked to the NOCTI *Leadership and Employability Skills* credential, earning students three college credits upon successful completion; covered topics include civic duty and citizenship, ethical behavior, sound values, good moral judgment, and US National government.

**Recommended Grade Level: 9 – 10**

**Recommended Credit: 1**

## **Students will:**

1. Describe how the U.S. Army JROTC program promotes personal success and Citizenship.
2. Analyze the organization and traditions of JROTC programs.
3. Demonstrate customs and courtesies in the JROTC environment.
4. Demonstrate proper etiquette in social settings.
5. Use Thinking Maps® to enhance learning.
6. Determine your behavioral preferences.
7. Apply an appreciation of diversity to interpersonal situations.
8. Analyze how thinking and learning affect your academic performance.
9. Apply strategies for reading comprehension.
10. Develop study skills and test-taking strategies.
11. Develop a personal code of conduct.
12. Develop a plan for personal growth.
13. Relate drill competence to life skills.
14. Perform stationary movements and marching techniques on command.
15. Demonstrate correct response to squad drill commands.
16. Apply the processes for making personal decisions and setting goals.
17. Develop personal anger management strategies.
18. Apply conflict resolution techniques.
19. Determine the causes, effects, and coping strategies for stress in your life.
20. Meet the physical fitness standards for the Cadet Challenge.
21. Identify the components of service learning.
22. Prepare for a service-learning project.



## U.S. Army JROTC Leadership Education and Training (LET) 2 – The Developing Leader 580241

This is the second of four core courses in the U.S. Army Junior Reserve Officers' Training Corps (JROTC) high school program. Developing Leader builds upon the mastery of LET 1 skills and abilities, providing Cadets with new and more challenging opportunities in leadership development. Courses may be taken as non-Honors or Honors courses. There are 24 active-learning lessons within eight chapters.

The Leadership Education Curriculum focuses on the development of cadet leadership skills, which are directly linked to the NOCTI *Leadership and Employability Skills* credential, earning students three college credits upon successful completion; covered topics include civic duty and citizenship, ethical behavior, sound values, good moral judgment, and US National government.

**Prerequisite:** U.S. Army JROTC (LET) 1 [580240](#)

**Recommended Grade Level: 10**

**Recommended Credit: 1**

### **Students will:**

1. Identify the elements of leadership.
2. Analyze your leadership attributes.
3. Analyze your leadership competencies.
4. Apply appropriate leadership styles.
5. Develop your communication skills.
6. Improve your writing skills.
7. Deliver a speech that you wrote.
8. Analyze career possibilities and requirements.
9. Relate ethical concepts to your personal code of conduct.
10. Assess your personal qualities as a team member.
11. Demonstrate the skills and responsibilities of a good drill leader.
12. Illustrate the duties of a team leader or squad leader.
13. Assess first aid emergencies.
14. Explain how to respond to common injuries.
15. Describe first aid for severe emergencies.
16. Evaluate methods to protect yourself and others from bullying.
17. Apply strategies to prevent violence.
18. Examine the elements of health.
19. Develop ways to increase your fitness level.
20. Develop a personal nutritional plan to promote health.
21. Examine how body image, eating, and physical activity affect whole health.
22. Evaluate the effectiveness of a service-learning project.
23. Evaluate the important elements of our democratic government.
24. Analyze the rights of U.S. citizens.

## U.S. Army JROTC Leadership Education and Training (LET) 3 – The Supervising Leader 580242

This is the third of four core courses in the U.S. Army Junior Reserve Officers' Training Corps (JROTC) high school program. Supervising Leader builds upon the mastery of LET 1 and 2 skills and abilities, providing Cadets with new and more challenging opportunities as a leader by overseeing planning, project implementation, and team personnel. Cadets at this level can acquire battalion staff positions and responsibilities and help integrate improvements in the local JROTC program and community. Courses may be taken as non-Honors or Honors courses. There are 20 active-learning lessons within seven chapters.

The Leadership Education Curriculum focuses on the development of cadet leadership skills, which are directly linked to the NOCTI *Leadership and Employability Skills* credential, earning students three college credits upon successful completion; covered topics include civic duty and citizenship, ethical behavior, sound values, good moral judgment, and US National government.

**Prerequisites:** U.S. Army JROTC (LET) 1 [580240](#) **AND** U.S. Army JROTC (LET) 2 [580241](#)

**Recommended Grade Level: 11**

**Recommended Credit: 1**

### **Students will:**

1. Explain how command and staff roles relate to leadership duties in your battalion.
2. Prepare to lead meetings.
3. Develop a plan for a battalion or school project.
4. Develop a Continuous Improvement Plan for your JROTC battalion.
5. Assess personal management skills.
6. Apply a process for making ethical choices and resolving ethical dilemmas.
7. Analyze personal supervisory skills.
8. Create a post-secondary action plan.
9. Develop personal planning and management strategies.
10. Create a career portfolio.
11. Illustrate the duties of a platoon leader or platoon sergeant.
12. Execute platoon drills.
13. Develop strategies for neutralizing prejudice in your relationships.
14. Use negotiation strategies to make agreements.
15. Describe the effects of substance abuse.
16. Assess the impact of drug abuse on whole health.
17. Assess the impact of alcohol and tobacco on whole health.
18. Respond to substance abuse situations.
19. Create the plan and schedule for a service-learning project.
20. Explain how the mandatory and voluntary responsibilities of citizens contribute to a strong community.

# U.S. Army JROTC Leadership Education and Training (LET) 4 – The Managing Leader 580243

This is the fourth of four core courses in the U.S. Army Junior Reserve Officers' Training Corps (JROTC) high school program. Managing Leader provides Cadets multiple opportunities to manage and lead in the battalion, in the school, and their respective communities. The LET 4 Cadet is ready to assume responsibilities and manage him or herself and others with whom they work or oversee as a Cadet manager. Courses may be taken as non-honors or honors courses. There are 12 active-learning lessons within five chapters.

The Leadership Education Curriculum focuses on the development of cadet leadership skills, which are directly linked to the NOCTI *Leadership and Employability Skills* credential, earning students three college credits upon successful completion; covered topics include civic duty and citizenship, ethical behavior, sound values, good moral judgment, and U.S. National government.

**Prerequisites:** U.S. Army JROTC (LET) 1 [580240](#), U.S. Army JROTC (LET) 2 [580241](#), **AND** U.S. Army JROTC (LET) 3 [580242](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

**Students will:**

1. Apply leadership skills to continuous improvement and program outcomes.
2. Apply teaching strategies to a lesson plan or mentoring project.
3. Use feedback to enhance your effectiveness as a leader.
4. Determine how to manage yourself after high school successfully.
5. Appraise your plans for the future.
6. Apply motivation strategies to teams.
7. Give feedback and direction to team members.
8. Execute company drills.
9. Execute battalion drills.
10. Manage a service-learning project.
11. Examine how competing principles and values challenge the fundamental principles of our society.
12. Develop solutions for future challenges to citizen rights.

## U.S. Army JROTC Leadership 580244

This class is intended to challenge students who have completed or are in the process of completing their fourth-year Army JROTC curriculum and desire advanced study of military subjects. The course provides students with an additional opportunity to hone military leadership skills.

**Prerequisites:** U.S. Army JROTC (LET) 1 [580240](#), U.S. Army JROTC (LET) 2 [580241](#), U.S. Army JROTC (LET) 3 [580242](#), **AND** U.S. Army JROTC (LET) 4 [580243](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

### Students will:

1. Develop a personal exercise program.
2. Correlate the rights and responsibilities of citizenship to the purpose of the U.S. government.
3. Describe the mission of various types of military organizations.
4. Demonstrate the ability to use decision-making skills to enhance health.
5. Demonstrate protocol to show respect for and handle the United States flag.
6. Demonstrate employability and social skills relative to the career cluster, including cell phone, internet etiquette, introductions, and grammar.
7. Demonstrate leadership potential as a role model, management skills, and instructor assistant.
8. Understand the importance of goal setting, providing feedback, and developing processes in both coaching and mentoring.
9. Build effective relationships with peers, co-workers, and the community.
10. Demonstrate the ability to use study skills.
11. Perform drug prevention and interventions.
12. Describe the importance of diet and physical activity in maintaining good health and appearance.
13. Demonstrate proficiency in first aid, CPR and AED.
14. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
15. Demonstrate citizenship lessons by performing public service projects throughout the area.
16. Apply physical and political geography to building global awareness and exploring the world.
17. Analyze the contributions of military history as it relates to the future.
18. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
19. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
20. Apply problem-solving and decision-making processes to supervision.

21. Participate in a Leadership Challenge and Academic Bowl (JLAB).
22. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
23. Participate in JROTC Raider Challenge, a competitive program in five different Fitness and Skills events.
24. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
25. Perform in drill formations, regulations, and exhibition categories for drill competitions.
26. Provide lesson plans and unit plans for younger cadets.

## U.S. Marine Corps JROTC 1 580320

This is the first course in a four-course sequence to provide cadets with an introduction to both leadership and citizenship. The first year also gives the new cadets exposure to personal growth and responsibility and establishes a foundation of military structure and tradition.

**Recommended Grade Level: 9**

**Recommended Credit: 1**

### **Students will:**

1. Identify the mission of the U.S. Marine Corps.
2. Analyze the relationship between the Marine Corps and the Department of the Navy.
3. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
4. Identify the Marine Corps elements of Combat Power.
5. Comprehend five different categories of instruction, which are leadership, citizenship, personal growth and responsibility, public service and career exploration, and general military subjects.
6. Demonstrate an introduction to leadership and citizenship exposure to personal growth and responsibility.
7. Establish a foundation of military structure and tradition.
8. Demonstrate the ability to use study skills.
9. Perform wellness, fitness, and first aid.
10. Achieve a healthy lifestyle.
11. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
12. Demonstrate knowledge of safety practices, policies, procedures and strategies related to both personal and environmental safety.
13. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
14. Demonstrate citizenship lessons by performing public service projects throughout the area.
15. Demonstrate advanced skills using a database program to create enhanced reports.
16. Demonstrate advanced skills using presentation software to include diagrams, color and graphic modifications, animation schemes, custom backgrounds, action buttons, hyperlinks, sound, video, and speaker notes.
17. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
18. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
19. Learn the familiarity with the U.S. Marine's history, geography, nautical sciences, organization and structure of Marines.

20. Study the development of leadership potential with the ability to live and work cooperatively with others.
21. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
22. Participate in the Presidential Fitness Test.
23. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.

## U.S. Marine Corps JROTC 2 580321

This is the second course in a four-course sequence designed to provide students with continued instruction in leadership and citizenship. Students will receive instruction in general military subjects with more structure and tradition than Level I, as well as the introduction of civilian marksmanship training and land navigation training with the map and compass. Additional learning experiences in personal growth, responsibility and citizenship will be provided.

**Prerequisite:** U.S. Marine Corps JROTC 1 [580320](#)

**Recommended Grade Level: 10**

**Recommended Credit: 1**

### **Students will:**

1. Identify the mission of the U.S. Marine Corps.
2. Analyze the relationship between the Marine Corps and the Department of the Navy.
3. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
4. Identify the Marine Corps elements of Combat Power.
5. Comprehend five different categories of instruction, which are leadership, citizenship, personal growth and responsibility, public service and career exploration, and general military subjects.
6. Demonstrate an introduction to leadership and citizenship, exposure to personal growth and responsibility as well as the introduction of civilian marksmanship training.
7. Establish a foundation of military structure and tradition.
8. Demonstrate the ability to use study skills.
9. Perform wellness, fitness, and first aid.
10. Demonstrate proper manner to wear
11. the uniform, awards, decorations and insignia.
12. Achieve a healthy lifestyle.
13. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
14. Demonstrate knowledge of safety practices, policies, procedures and strategies related to both personal and environmental safety.
15. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
16. Demonstrate citizenship lessons by performing public service projects throughout the area.
17. Demonstrate knowledge of basic military skills such as drills and ceremonies.
18. Demonstrate advanced skills using presentation software to include diagrams, color and graphic modifications, animation schemes, custom backgrounds, action buttons, hyperlinks, sound, video, and speaker notes.
19. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and



reviewing comments.

20. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
21. Learn the familiarity with the U.S. Marine's history, geography, nautical sciences, organization and structure of Marines.
22. Study the development of leadership potential with the ability to live and work cooperatively with others.
23. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
24. Participate in the Presidential Fitness Test.
25. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.

## U.S. Marine Corps JROTC 3 580322

This is the third course in a four-course sequence to provide cadets the opportunity to use their leadership training as they assume positions of increased authority and responsibility within the program. The course will also include detailed instruction on personal finances, as well as other preparations for life beyond high school.

**Prerequisites:** U.S. Marine Corps JROTC 1 [580320](#) **AND** U.S. Marine Corps JROTC 2 [580321](#)

**Recommended Grade Level: 11**

**Recommended Credit: 1**

### **Students will:**

1. Identify the mission of the U.S. Marine Corps.
2. Analyze the relationship between the Marine Corps and the Department of the Navy.
3. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
4. Identify the Marine Corps elements of Combat Power.
5. Comprehend five different categories of instruction, which are leadership, citizenship, personal growth and responsibility, public service and career exploration, and general military subjects.
6. Demonstrate an introduction to leadership and citizenship, exposure to personal growth and responsibility as well as the introduction of civilian marksmanship training.
7. Establish a foundation of military structure and tradition.
8. Demonstrate increased authority in leadership training.
9. Perform wellness, fitness, and first aid.
10. Demonstrate proper manner to wear the uniform, awards, decorations and insignia.
11. Achieve a healthy lifestyle.
12. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
13. Demonstrate knowledge of safety practices, policies, procedures and strategies related to both personal and environmental safety.
14. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
15. Demonstrate citizenship lessons by performing public service projects throughout the area.
16. Demonstrate knowledge of basic military skills such as drills and ceremonies.
17. Address a civilian audience on a subject of common knowledge with the Marine program.
18. Develop and critique instructional materials.
19. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
20. Research and analyze career opportunities, participate in a job interview and

develop an employment portfolio, including a letter of application, resume, and follow-up letter.

21. Learn the familiarity with the U.S. Marine's history, geography, nautical sciences, organization and structure of Marines.
22. Study the development of leadership potential with the ability to live and work cooperatively with others.
23. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
24. Participate in the Presidential Fitness Test.
25. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.

## U.S. Marine Corps JROTC 4 580323

This is the fourth course in a four-course sequence designed to provide cadets with an opportunity to practice what they have learned in previous courses. Cadets will conduct formations and inspections, as well as supervise certain training events with younger cadets and continue to be challenged academically with requirements for research projects, independent studies, and progress reports.

**Prerequisites:** U.S. Marine Corps JROTC 1 [580320](#), U.S. Marine Corps JROTC 2 [580321](#), **AND** U.S. Marine Corps JROTC 3 [580322](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

### **Students will:**

1. Identify the mission of the U.S. Marine Corps.
2. Analyze the relationship between the Marine Corps and the Department of the Navy.
3. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
4. Identify the Marine Corps elements of Combat Power.
5. Comprehend five different categories of instruction, which are leadership, citizenship, personal growth and responsibility, public service and career exploration, and general military subjects.
6. Demonstrate an introduction to leadership and citizenship, exposure to personal growth and responsibility as well as the introduction of civilian marksmanship training.
7. Establish a foundation of military structure and tradition.
8. Demonstrate increased authority in leadership training.
9. Bring together all their previous learning experience in the MJROTC program.
10. Conduct formations and inspections, as well as supervise training events with younger cadets.
11. Continue to be challenged academically with requirements for research projects and independent studies, along with progress reports.
12. Demonstrate proper manner to wear the uniform, awards, decorations and insignia.
13. Achieve a healthy lifestyle and disease prevention.
14. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
15. Demonstrate knowledge of safety practices, policies, procedures and strategies related to both personal and environmental safety.
16. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
17. Demonstrate citizenship lessons by performing public service projects throughout the area.
18. Demonstrate knowledge of basic military skills such as drills and ceremonies.
19. Address a civilian audience on a subject of common knowledge with the Marine program.

20. Develop and critique instructional materials.
21. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
22. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
23. Learn the familiarity with the U.S. Marine's history, geography, map reading, organization and structure of the Marines.
24. Study the development of leadership potential with the ability to live and work cooperatively with others.
25. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
26. Participate in the Presidential Fitness Test.
27. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.

## U.S. Marine Corps JROTC Leadership 580324

This class is intended to challenge students who have completed or are in the process of completing their fourth year of Marine Corps JROTC and desire advanced study in military topics. This course provides cadets with an additional opportunity to hone military leadership skills.

**Prerequisites:** U.S. Marine Corps JROTC 1 [580320](#), U.S. Marine Corps JROTC 2 [580321](#), U.S. Marine Corps JROTC 3 [580322](#), **AND** U.S. Marine Corps JROTC 4 [580323](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

### **Students will:**

1. Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor.
2. Assist instructor in previous levels of instructions assigned.
3. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
4. Identify the Marine Corps elements of Combat Power.
5. Comprehend five different categories of instruction, which are leadership, citizenship, personal growth and responsibility, public service and career exploration, and general military subjects.
6. Demonstrate an introduction to leadership and citizenship, exposure to personal growth and responsibility as well as the introduction of civilian marksmanship training.
7. Establish a foundation of military structure and tradition.
8. Demonstrate increased authority in leadership training.
9. Bring together all their previous learning experience in the MJROTC program.
10. Conduct formations and inspections, as well as supervise training events with younger cadets.
11. Continue to be challenged academically with requirements for research projects and independent studies, along with progress reports.
12. Demonstrate proper manner to wear the uniform, awards, decorations and insignia.
13. Demonstrate knowledge of safety practices, policies, procedures and strategies related to both personal and environmental safety.
14. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
15. Demonstrate citizenship lessons by performing public service projects throughout the area.
16. Demonstrate knowledge of basic military skills such as drills and ceremonies.
17. Address a civilian audience on a subject of common knowledge with the Marine program.
18. Develop and critique instructional materials.
19. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.

20. Study the development of leadership potential with the ability to live and work cooperatively with others.
21. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
22. Participate in the Presidential Fitness Test.
23. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.

## U.S. Navy JROTC 1 580310

This is the first course in a four-course sequence that provides an introduction to the NJROTC program, including leadership, citizenship and the American Government. Introduction to wellness, fitness, and first aid, including diet, exercise and drug awareness, will be addressed. Geography, orienteering, survival and map reading skills, financial skills, and introduction to the Navy will also be covered.

**Recommended Grade Level: 9**

**Recommended Credit: 1**

### **Students will:**

1. Identify Foundations of Navy Foundations.
2. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
3. Comprehend concepts to become a leader by using leadership skills.
4. Demonstrate the ability to use study skills.
5. Perform wellness, fitness, and first aid.
6. Achieve a healthy lifestyle.
7. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
8. Study the history of the United States Navy from the colonial period to the present.
9. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
10. Demonstrate citizenship lessons by performing public service projects throughout the area.
11. Demonstrate advanced skills using a database program to create enhanced reports.
12. Demonstrate advanced skills using presentation software to include diagrams, color and graphic modifications, animation schemes, custom backgrounds, action buttons, hyperlinks, sound, video, and speaker notes.
13. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
14. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
15. Learn the familiarity with the U.S. Navy Maritime history, geography, nautical sciences, organization and structure of the Navy and the importance of sea power in the growth of the United States as a world leader.
16. Students demonstrate the development of leadership potential with the ability to live and work cooperatively with others.
17. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
18. Participate in the Presidential Fitness Test.
19. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
20. Perform in drill formations, regulations, and exhibition categories for drill competitions.



## U.S. Navy JROTC 2 580311

This is the second course in a four-course sequence designed to develop the traits of citizenship and leadership further. Cadets will be introduced to the technical areas of naval science as well as nautical sciences, including maritime geography, oceanography, meteorology, astronomy, and physical sciences. The role of the U.S. Navy in maritime history and the vital importance of the world's oceans to the continued well-being of the United States will be addressed. The course includes instruction in leadership introduction to maritime history, including the American Revolution, the Civil War, the rise of the U.S. to world power status, World Wars 1 and 2, the Cold War Era and the 1990s and beyond.

**Prerequisite:** U.S. Navy JROTC 1 [580310](#)

**Recommended Grade Level:** 10

**Recommended Credit:** 1

### **Students will:**

1. Identify Seamanship, an introduction to the general subjects of seamanship that include anchoring and mooring, ship handling, small boats, weather, and ship construction.
2. Study naval science, nautical astronomy, and oceanography.
3. Explain the mission of the U.S. Navy.
4. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
5. Comprehend concepts to become a leader by using leadership skills.
6. Distinguish between the Shore Establishment and Operating Forces.
7. Perform wellness, fitness, and first aid.
8. Achieve a healthy lifestyle.
9. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
10. Study the history of the United States Navy from the colonial period to the present.
11. Learn about the U.S. Constitution and the responsibilities and rights of being a citizen.
12. Demonstrate citizenship lessons by performing public service projects throughout the area.
13. Demonstrate advanced skills using a database program to create enhanced reports.
14. Demonstrate advanced skills using presentation software to include diagrams, color and graphic modifications, animation schemes, custom backgrounds, action buttons, hyperlinks, sound, video, and speaker notes.
15. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
16. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.

17. Learn the familiarity with the U.S. Navy Maritime history, geography, nautical sciences, organization and structure of the Navy and the importance of sea power in the growth of the United States as a world leader.
18. Study the development of leadership potential with the ability to live and work cooperatively with others.
19. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
20. Participate in the Presidential Fitness Test.
21. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
22. Perform in drill formations, regulations, and exhibition categories for drill competitions.

## U.S. Navy JROTC 3 580312

This is the third course in a four-course sequence designed to broaden the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, and the importance of sea power and national security. Students gain a more in-depth knowledge of naval ships and aircraft and an introduction to marine navigation and seamanship. The course includes instruction in sea power and national security, naval operations and support functions, military law, and international law and the sea. It provides an introduction to ship construction and damage control, shipboard organization and watch standing, basic seamanship, marine navigation, and naval weapons and aircraft.

**Prerequisites:** U.S. Navy JROTC 1 [580310](#) **AND** U.S. Navy JROTC 2 [580311](#)

**Recommended Grade Level: 11**

**Recommended Credit: 1**

### **Students will:**

1. Identify Seamanship—an introduction to the general subjects of seamanship that include anchoring and mooring, ship handling, small boats, weather, and ship construction.
2. Study sea power and national security, naval operations and support functions, Military and International law and the sea.
3. Explain the mission of the U.S. Navy.
4. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
5. Comprehend ongoing instruction in leadership, citizenship, and discipline.
6. Analyze introduction to ship construction and damage control, basic seamanship, marine navigation, naval weapons and aircraft.
7. Perform wellness, fitness, and first aid.
8. Achieve an appreciation of the importance of physical fitness, proper diet and stress management.
9. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
10. Study nautical astronomy, a study of astronomy and its application to celestial navigation.
11. Gain more in-depth knowledge of naval ships and aircraft, an introduction to marine navigation and seamanship.
12. Demonstrate citizenship lessons by performing public service projects throughout the area.
13. Demonstrate advanced skills using a database program to create enhanced reports.
14. Demonstrate advanced skills using presentation software to include diagrams, color and graphic modifications, animation schemes, custom backgrounds, action buttons, hyperlinks, sound, video, and speaker notes.

15. Demonstrate advanced skills using word processing, spreadsheet, database, and presentation software to complete workgroup collaboration, including inserting and reviewing comments.
16. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
17. Learn the familiarity with the U.S. Navy Maritime history, geography, nautical sciences, organization and structure of the Navy and the importance of sea power in the growth of the United States as a world leader.
18. Study the development of leadership potential with the ability to live and work cooperatively with others.
19. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
20. Participate in the Presidential Fitness Test.
21. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
22. Perform in drill formations, regulations, and exhibition categories for drill competitions.

## U.S. Navy JROTC 4 580313

This is the fourth course in a four-course sequence focused on practical leadership techniques and implementation. The course includes instruction in theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a workgroup, and the proper ways to set a leadership example.

**Prerequisites:** U.S. Navy JROTC 1 [580310](#), U.S. Navy JROTC 2 [580311](#), **AND** U.S. Navy JROTC 3 [580312](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

### **Students will:**

1. Identify Seamanship, an introduction to the general subjects of seamanship that include anchoring and mooring, ship handling, small boats, weather, and ship construction.
2. Study sea power and national security, naval operations and support functions, Military and International law and the sea.
3. Focus primarily on practical leadership techniques and implementation.
4. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
5. Assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership under supervision.
6. Analyze their leadership reasons for varying degrees of success throughout the year.
7. Perform wellness, fitness, and first aid.
8. Achieve an appreciation of the importance of physical fitness, proper diet and stress management.
9. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
10. Study nautical astronomy, a study of astronomy and its application to celestial navigation.
11. Gain more in-depth knowledge of naval ships and aircraft, an introduction to marine navigation and seamanship.
12. Demonstrate citizenship lessons by performing public service projects throughout the area.
13. Demonstrate techniques used to create motivation and develop goals and activities for a workgroup.
14. Perform reading assignments, classroom presentations, and practical work with younger cadets.
15. Mentor and guide in their preparation for life after high school including college preparation, scholarship applications, and the variety of choices that are available to them.
16. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.

17. Learn the familiarity with the U.S. Navy Maritime history, geography, nautical sciences, organization and structure of the Navy and the importance of sea power in the growth of the United States as a world leader.
18. Study the development of leadership potential with the ability to live and work cooperatively with others.
19. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
20. Participate in the Presidential Fitness Test.
21. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
22. Perform in drill formations, regulations, and exhibition categories for drill competitions.
23. Apply problem-solving and decision-making processes to supervision.

## U.S. Navy JROTC Leadership 580314

This course is intended to challenge students who have completed or are in the process of completing their fourth year of Navy JROTC and desire advanced study in military topics. This course is focused on practical leadership techniques and implementation. The course includes instruction in theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a workgroup, and the proper ways to set a leadership example.

**Prerequisites:** U.S. Navy JROTC 1 [580310](#), U.S. Navy JROTC 2 [580311](#), U.S. Navy JROTC 3 [580312](#), **AND** U.S. Navy JROTC 4 [580313](#)

**Recommended Grade Level: 12**

**Recommended Credit: 1**

### **Students will:**

1. Identify Seamanship, an introduction to the general subjects of seamanship that include anchoring and mooring, ship handling, small boats, weather, and ship construction.
2. Demonstrate an understanding of the importance of high school graduation to a successful future.
3. Study sea power and national security, naval operations and support functions, Military and International law and the sea.
4. Relate skills and abilities to possible career pathways.
5. Practice professionalism in punctuality, appropriate dress, task completion, and apply good personal grooming habits.
6. Focus primarily on practical leadership techniques and implementation.
7. Demonstrate an understanding of and an appreciation for what it means to be a productive and respected citizen of the United States.
8. Assist underclassmen in understanding leadership and improving their leadership skills by putting them in positions of leadership under supervision.
9. Analyze leadership reasons for varying degrees of success throughout the year.
10. Work with diverse people by being flexible and open-minded.
11. Respect diversity by demonstrating respect for, listening to, and considering.
12. Perform wellness, fitness, and first aid.
13. Achieve an appreciation of the importance of physical fitness, proper diet and stress management.
14. Demonstrate the ability to think logically and communicate effectively both orally and in writing.
15. Study nautical astronomy, a study of astronomy and its application to celestial navigation.
16. Gain more in-depth knowledge of naval ships and aircraft, an introduction to marine navigation and seamanship.
17. Demonstrate citizenship lessons by performing public service projects throughout the area.

18. Demonstrate techniques used to create motivation and develop goals and activities for a workgroup.
19. Perform reading assignments, classroom presentations, and practical work with younger cadets.
20. Mentor and guide in their preparation for life after high school including college preparation, scholarship applications, and the variety of choices that are available to them.
21. Research and analyze career opportunities, participate in a job interview and develop an employment portfolio, including a letter of application, resume, and follow-up letter.
22. Learn the familiarity with the U.S. Navy Maritime history, geography, nautical sciences, organization and structure of the Navy and the importance of sea power in the growth of the United States as a world leader.
23. Study the development of leadership potential with the ability to live and work cooperatively with others.
24. Attend STEM (Science, Technology, Engineering, and Mathematics) Camp.
25. Participate in the Presidential Fitness Test.
26. Promote teamwork, self-confidence, and marksmanship skills in a marksmanship program.
27. Perform in drill formations, regulations, and exhibition categories for drill competitions.
28. Apply problem-solving and decision-making processes to supervision.