

# AEROSPACE STUDIES (ASTU)

## ASTU 10101 HERITAGE AND VALUES 1 Credit Hour

This is a survey course that provides an introduction to the United States Air Force, hopefully encouraging students to pursue an AF career or at least seek additional information to be better informed about the role of the USAF. The course allows students to examine general aspects of the Department of the Air Force, AF Leadership, Air Force benefits, and opportunities for AF officers. The course also lays the foundation for becoming an Airman by outlining our heritage and values. As a foundation course, it also provides a historical perspective such as lessons on war and US military, AF operations, principles of war, and airpower. As a whole, this course provides students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. The students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Airman.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## ASTU 10102 HERITAGE AND VALUES 1 Credit Hour

This is a survey course that provides an introduction to the Air Force, hopefully encouraging students to pursue an AF career or at least seek additional information to be better informed about the role of the USAF. The course allows students to examine general aspects of the Department of the Air Force, AF Leadership, Air Force benefits, and opportunities for AF officers. The course also lays the foundation for becoming an Airman by outlining our heritage and values. As a foundational course, it also provides a historical perspective such as lessons on war and US military, AF operations, principles of war, and airpower. As a whole, this course provides students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. The students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Airman.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## ASTU 10103 LEADERSHIP LABORATORY 1 Credit Hour

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

## ASTU 10104 LEADERSHIP LABORATORY 1 Credit Hour

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

## ASTU 20101 TEAM LEADERSHIP FUNDAMENTALS 1 Credit Hour

This is a 1 credit hour survey course that is designed to provide a fundamental understanding of both leadership and team building. It is imperative that students are taught from the beginning that there are many layers to leadership, including aspects that don't always jump to mind. Such things include listening, understanding themselves, being a good follower and problem solving efficiently. The students will apply these leadership perspectives when completing team building activities and discussing things like conflict management. Students should demonstrate basic verbal and written communication skills.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## ASTU 20102 TEAM AND LEADERSHIP FUNDAMENTALS 1 Credit Hour

This is a 1-credit hour survey course that is designed to provide a fundamental understanding of both leadership and team building. It is imperative that students are taught from the beginning that there are many layers to leadership, including aspects that don't always jump to mind. Such things include listening, understanding themselves, being a good follower and problem solving efficiently. The students will apply these leadership perspectives when completing team building activities and discussing things like conflict management. Students should demonstrate basic verbal and written communication skills.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

## ASTU 20103 LEADERSHIP LABORATORY 1 Credit Hour

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

## ASTU 20104 LEADERSHIP LABORATORY 1 Credit Hour

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**ASTU 30101 LEADING PEOPLE/EFFECTIVE COMMUNICATION 3 Credit Hours**

This course is designed to build on the leadership fundamentals taught in ASTU 20202. Students will have the opportunity to utilize their skills as they begin more of a leadership role in the detachment. The goal is for cadets to have a more in-depth understanding of how to effectively lead people, and provide them with the tools to use throughout their detachment leadership roles. Secondly, students will hone their writing and briefing skills. Many of the students will be uncomfortable with public speaking, and this semester is designed to get them used to briefing. The course continues into advanced skills and ethics training that will prepare them for becoming an officer and a supervisor.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ASTU 30102 LEADING PEOPLE/EFFECTIVE COMMUNICATION 3 Credit Hours**

This course is designed to build on the leadership fundamentals taught in ASTU 20202. Students will have the opportunity to utilize their skills as they begin more of a leadership role in the detachment. The goal is for cadets to have a more in-depth understanding of how to effectively lead people, and provide them with the tools to use throughout their detachment leadership roles. Secondly, students will hone their writing and briefing skills. Many of the students will be uncomfortable with public speaking, and this semester is designed to get them used to briefing. The course continues into advanced skills and ethics training that will prepare them for becoming an officer and a supervisor.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ASTU 30103 LEADERSHIP LABORATORY 1 Credit Hour**

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**ASTU 30104 LEADERSHIP LABORATORY 1 Credit Hour**

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**ASTU 40101 LEADING NATIONAL SECURITY/LEADERSHIP RESPONSIBILITIES 3 Credit Hours**

This student should comprehend the basic elements of national security policy and process. The student should comprehend the air and space power operations as well as understand selected roles of the military in society and current domestic and international issues affecting the military profession. Students should comprehend the responsibility, authority, and functions of an Air Force commander and selected provisions of the military justice system. The final semester of the ASTU 40101 course is designed to prepare cadets for life as a second lieutenant.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ASTU 40102 LEADING NATIONAL SECURITY/LEADERSHIP RESPONSIBILITIES 3 Credit Hours**

This student should comprehend the basic elements of national security policy and process. The student should comprehend the air and space power operations as well as understand selected roles of the military in society and current domestic and international issues affecting the military profession. Students should comprehend the responsibility, authority, and functions of an Air Force commander and selected provisions of the military justice system. The final semester of the ASTU 40102 course is designed to prepare cadets for life as a second lieutenant.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ASTU 40103 LEADERSHIP LABORATORY 1 Credit Hour**

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**ASTU 40104 LEADERSHIP LABORATORY 1 Credit Hour**

An instructional program that prepares an individual to undertake the broad range of technical tasks associated with military leadership and defense management. This course is optional for university academic credit; however, it is mandatory for Air Force ROTC credit for scholarship or commissioning purposes.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 1 lab

**Grade Mode:** Satisfactory/Unsatisfactory