

# AIR TRAFFIC CONTROL (AIRT)

## **AIRT 151 Aircraft Recognition and Performance**

**3 Units** (Degree Applicable, CSU)

Lecture: 54

**Advisory:** *AERO 100*

Designed for students who want to become air traffic controllers for the Federal Aviation Administration (FAA). Students will learn to recognize the distinctive features of aircraft, identify types of aircraft, classify aircraft as to FAA category and class, and analyze aircraft for performance characteristics required for air traffic control separation. Commercial Pilot majors are encouraged to take the class as an elective course.

## **AIRT 201 Terminal Air Traffic Control**

**3 Units** (Degree Applicable, CSU)

Lecture: 54

**Advisory:** *AERO 23 or AERO 100 and AIRT 41 or AIRT 151*

Designed for students who want to become air traffic controllers for the Federal Aviation Administration (FAA). Students will learn about aircraft operation in the National Airspace System, control tower operations, terminal radar control, radio communication techniques and phraseology, and responding to emergencies.

## **AIRT 201L Air Traffic Control Laboratory**

**1 Unit** (Degree Applicable)

Lab: 54

**Advisory:** *AERO 100*

Concepts, procedures, and skills related to air traffic control. Microphone technique, voice control, phraseology, facility and interfacility coordination, strip markings, airport traffic control, weather observing, and control tower functions.

## **AIRT 203 Enroute Air Traffic Control**

**3 Units** (Degree Applicable, CSU)

Lecture: 54

**Advisory:** *(AERO 23 or AERO 100) and (AIRT 41 or AIRT 151)*

Enroute air traffic control operations in the National Airspace System. Includes radar and non-radar separation rules, enroute air traffic control clearances, emergencies and search & rescue, and future air traffic control technologies. This course is designed for students who want to become air traffic controllers for the Federal Aviation Administration (FAA).

## **AIRT 203L Enroute Radar Laboratory**

**1 Unit** (Degree Applicable)

Lab: 54

**Advisory:** *AERO 100*

Simulation of an air traffic control radar facility concentrating on air route traffic control, and approach and departure procedures using appropriate phraseology, flight progress strip markings and radar separation standards.

## **AIRT 251 Air Traffic Control Team Skills**

**1.5 Units** (Degree Applicable, CSU)

Lecture: 27

**Advisory:** *AIRT 201 or AIRT 42A*

Leadership skills for aviation professionals, with emphasis on FAA Crew Resource Management. This course will introduce students to the skills required to work in an aviation group environment. Students will be able to identify personality types and temperaments, analyze skills necessary to manage and improve individual performance, work effectively in the team environment, and recognize human factors that affect air traffic control, identify 'threat and error' countermeasures.