

Course Competency

ATT 2820 Air Traffic Control

Course Description

The basic elements of air traffic control operations, providing the necessary foundation for successful completion of the Air Traffic Control Basic Certification Examination. Prerequisite: Program major in sophomore standing, or permission of the department chairman.

Course Competency	Learning Outcomes
<p>Competency 1:The student will demonstrate knowledge and understanding of subject matter relating to air traffic control (ATC) by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Computer / Technology Usage
<ol style="list-style-type: none"> a. Recalling the history of the Federal Aviation Administration. b. Identifying aircraft separation requirements, including the different types of separations used everyday by controllers to safely, orderly and expeditiously separate thousand of aircraft within the National Airspace System (NAS). c. Explaining Notices to Airmen (NOTAM) and their purpose, pilot and controller responsibilities regarding them, and the various publications in which NOTAMs are found. d. Discussing the various orders, manuals, Letters of Agreement, Standard Operating Procedures, and Federal Aviation Regulations that govern air traffic control (ATC). e. Interpreting visual flight rules (VFR) charts, instrument flight rules (IFR) charts and other publications used by pilots in everyday navigation. f. Providing insight into the pilot's environment, including training, flight operations, regulations, and common procedures. g. Breaking down Pilot Reports (PIREP). h. Demonstrating ATC basic communications; including the need for good communications and proper procedures. 	

Competency 2: The student will demonstrate the ability to analyze and interpret the following (ATC) documentation by:	<ol style="list-style-type: none"> 1. Computer / Technology Usage 2. Critical thinking 3. Numbers / Data
Competency 3: The student will demonstrate proficiency in ATC communications by:	<ol style="list-style-type: none"> 1. Numbers / Data 2. Critical thinking
<ol style="list-style-type: none"> a. Issuing clear and concise commands to aircraft in various situations using a simulator or as part of an oral/written examination by the instructor. b. Providing a detailed, standard position relief briefing using a simulator or as part of an oral/written examination by the instructor. c. Demonstrating reasoned, decisive procedures to be implemented in case of emergency/abnormal situations. d. Shaping communications to purpose, audience, and occasion. 	

Updated: SPRING 2024