

# Aeronautical Eng. & Aviation Management [AEM]

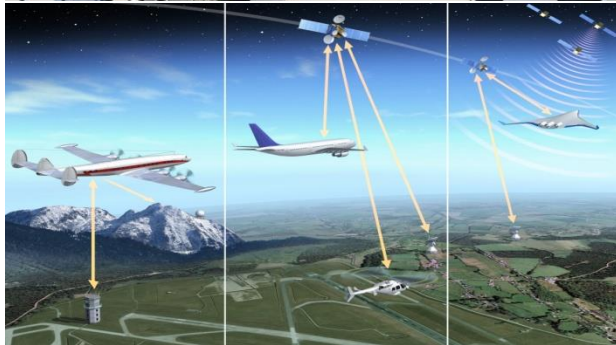
Bachelor Programs, Credit Hours System, Cairo University, Faculty of Engineering



Airtransport environment in Africa and MENA region is witnessing a tremendous revolution. There is an increasing demand for airtransport for both passengers and goods. According to Boeing during the 2014-2034 period the passenger traffic and fleets will almost twofold. This results in an increased demand for highly qualified Aeronautical and Aviation engineers whom will be provided by this program.

## Key Features:

- Major courses in aeronautical engineering and management, including airframe analysis, aircraft engines, aerodynamics, flight mechanics and control, project management, and airports and aviation economics.
- Elective courses providing the students with deep understanding of Aeronautical Engineering and Management.
- Use of different software and latest technologies in Analysis, Maintenance, and Aviation Management.
- Preparing students, through training for working in aviation companies.



For more information, visit:

[eng.cu.edu.eg/en/credit-hour-system/](http://eng.cu.edu.eg/en/credit-hour-system/)

Cairo University, Faculty of Engineering,  
Giza, Arab Republic of Egypt.

WORLD FLEET WILL DOUBLE IN SIZE OVER THE 20 YEARS BETWEEN 2014-2034  
38,050 new airplanes / \$5.6 trillion



## Program Objectives:

- Provide engineers with sufficient engineering background and the ability to predict, detect, assess, design maintenance procedures, plan and supervise repairing aircraft damage and maintain aircraft fleet availability as per the Civil Aviation Authorities requirements.
- Prepare engineers to manage Air-transport maintenance departments with appropriate knowledge in management, human resources, and operations research.
- Prepare a graduate who is capable to operate and manage airports.

## AEM Engineers:

- An engineer with management capabilities working in airlines, airports or other companies within the aviation industry.
- He may manage or maintain aircrafts in an airliner or manage the day-to-day operations of an airport or airline organization.