CAE conducts special short courses as may be directed by the Air Headquarters from time to time. Additionally, custom-configured and mutually acceptable short courses / workshops / seminars within the areas of expertise and specialization of the faculty can also be offered for engineers, managers and executives from other organizations. Some of the short courses conducted at CAE are:

- CNC Programming
- QC/QAP Course
- Project Management & Total Quality Management
- Lab View Programming
- Aircraft Engine Performance
- Frequency Management
- MATLAB Applications in Engineering
- Communication Networking
- Condition Based Maintenance
- Material Failure Analysis
- Structural Health Monitoring
- Low Speed Vehicle Aerodynamics
- Fatigue and Fracture
- Advance Design Methods

QUALITY POLICY

Commitment to make PAF College of Aeronautical Engineering a center of excellence for quality education in the field of aeronautical engineering through enabling environments, adaptive academic mechanisms and competent faculty.

Contact us at
+92-923-631391-7
or on the web at www.caeweb.com
COLLEGE OF AERONAUTICAL ENGINEERING

CAE is a modern teaching institution for Aeronautical Engineering in Pakistan. CAE with conducive environment, competent faculty and adaptive mechanisms offers internationally recognized degree programmes for pursuing higher education and research goals in Aerospace and Avionics Engineering. The BE degree curricula for both Aerospace and Avionics Engineering disciplines are spread over four years having eight semesters. Each semester comprises 20 weeks of training. To earn a Bachelor of Engineering degree at CAE, a total of 134.0 credit hours have to be successfully completed. After initial two semesters, based upon performance, aptitude, requirement, and own choice, students are allocated either Aerospace or Avionics engineering disciplines.

Industrial Engineering Department

This department conducts short training courses for fresh and serving engineers. All the courses are recognized by Pakistan Engineering Council (PEC). Some of these courses are Senior Engg Management (SEM), Flight Line Management (FLM), SEO (Electronics), Aircraft Inspection Services & Quality Control (AIS/QC), Primary Professional Training (PPT) and JCOs Maintenance Management.

Professional Continuing Education Department

To train prospective and serving officers of PAF, trainees of other organizations and friendly countries to BE degree level in Aerospace and Avionics Engineering.

To conduct specialist, refresher and short courses for officers and JCOs of PAF or trainees of other organizations and friendly countries as approved by Air Headquarters.

To undertake basic and applied research & development work in the fields related to Aeronautical Engineering.

Role of CAE

Humanities & Sciences Department

Avionics Engineering Department

Aerospace Engineering Department

Laboratories & Facilities

Facilities

Brief History

During the early years of PAF, aeronautical and electronics engineers were trained abroad as service had no such technical training facilities and no engineering university in Pakistan offered curricula in the requisite fields.

The initiative to establish facilities for educating PAF engineers to the level of at least a Bachelor's Degree had to be taken by the PAF either in collaboration with one of the existing engineering institutions or by establishing its own engineering college.

After studying several proposals, it was decided that the most practical and economical solution for the PAF was to set up its own college at Korangi Creek, Karachi, where considerable training facilities already existed. Accordingly, in October 1963, a detailed proposal was made and the Government of Pakistan sanctioned the establishment of the PAF College of Aeronautical Engineering with effect from March, 1965.

For smooth functioning of the College, the United States Air Force lent the services of three qualified and experienced officers for the posts of the Principal and the Heads of the Department of Aerospace and Avionics Engineering. Colonel John H. Baskelock from USAF Institute of Technology arrived on July 7, 1965 to be the first Principal. Gp Capt. A. K. Sufi, the first PAF officer to head the College, succeeded him in June 1969. Two USAF officers continued to serve in the faculty of the College till June, 1978.

The College was initially affiliated with the University of Karachi. Later on, the establishment of NED University of Engineering & Technology in March, 1977, affiliation of the College was transferred to NED University.

The first batch of students arrived at the College on 24 July, 1965 and instructions for the course started on 29 July, 1965. Graduation ceremony of the first-degree course was held on 9 November, 1965. In May, 1966, CAS was shifted to Risalpur and since then it is an integral part of the PAF Academy. In December, 1994, the College became one of the constituent colleges of National University of Sciences and Technology (NUST), Islamabad. In 1997, MS programmes in Aerospace and Avionics Engineering commenced at CAE.

In 1999 to keep pace with the technological advancements and to meet the international requirements, ISO 9000 certification for the quality management system of its academic programs was successfully achieved.

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