	Civil Aviation University of China
	College of Electronic Information Engineering &Automation
	B.S. Electronic & Information Engineering Program
June 2, 2021	Student Achievement

Objectives of Accredited Program

Program mission statement

The Electronic & Information Engineering Program is aiming to cultivate application-oriented engineering and technical professionals to meet the development needs of the avionics industry. The program is committed to developing s

international vision, innovative spirit and cooperation ability. Students are provided with a systematical study of electronic technology and information systems, including the foundation theory, specialized knowledge and skills. The programs shall prepare graduates to engage in scientific research, technology development and engineering management in the field of avionic maintenance, with abilities to track and develop new theories, knowledge and technologies in the avionics domain. Students are expected to become technical specialists or engineers in the field of avionics after 5 years of graduation. The program mission of Electronic & Information Engineering program is supported by the following five program educational goals (PEG):

PEG1: Apply the relevant knowledge, skills and methods to systematically conduct scientific research, technology development and project management in avionics.

PEG2: Actively track novel technologies in avionics, actively participate in professional training and examinations, with independent learning ability and lifelong learning awareness.

PEG3: Possess positive professional ethics, sound personalities and high humanistic qualities.

PEG4: Ability to work in a multi-environment team with perfect presentation skills in writing and oral communication

PEG5: Understand the overall operating environment of the avionics industry, concern the avionic regulations, and is able to promote application of new techniques in avionics.

Student Learning Outcomes

1)AABI General Criteria:

a. apply mathematics, science, and applied sciences to aviation-related disciplines

b. analyze and interpret data

c. work effectively on multi-disciplinary and diverse teams

d. make professional and ethical decisions

e. communicate effectively, using both written and oral communication skills

f. engage in and recognize the need for life-long learning

g. assess contemporary issues

h. use the techniques, skills, and modern technology necessary for professional practice

i. assess the national and international aviation environment

j. apply pertinent knowledge in identifying and solving problems

k. apply knowledge of business sustainability to aviation issues

2) Aviation Core Criteria:

1. Describe the professional attributes, requirements or certifications, and planning applicable to aviation careers

2. Describe the principles of aircraft design, performance and operating characteristics; and the regulations related to the maintenance of aircraft and associated systems

3. Evaluate aviation safety and the impact of human factors on safety

4. Discuss the impact of international aviation law, including applicable International Civil Aviation Organization (ICAO) or other international standards and practices, and applicable national aviation law, regulations and labor issues on aviation operations

5. Explain the integration of airports, airspace, and air traffic control in managing the National Airspace System

6. Discuss the impact of meteorology and environmental issues on aviation operations

3)Program-specific Criteria:

A. Graduates possess the necessary knowledge and can apply them to current aviation electronics maintenance.

B. Graduates possess the necessary skills and attitudes in avionics domain.

C. Graduates complete a significant culminating upper division experience in aviation electronics.

Program assessment measures employed

A comprehensive assessment plan is implemented to enable continuous improvement in student learning outcomes, curriculum mapping, etc. Assessment activities include:

Course delivering effect evaluation, each semester

Graduate questionnaire, Enterprise questionnaire, each year

Examination, homework, Experimental reports, Internship report, etc

Training program, revise every four years

Safety inspection and education

Self-assessment annual report of Electronic & Information Engineering Program, each year.

Graduation rates

Enroll year	Gradution number (total)