



天津中德应用技术大学

Tianjin Sino-German University of Applied Sciences



2022
SCHOOL ADMISSION BROCHURE

AIRCRAFT MANUFACTURING ENGINEERING

PRACTICALITY, PERFECTION

AND INTEGRITY

Full time – undergraduate

Major Overview

◇ The major of Aircraft Manufacturing Engineering is oriented to the aviation and aerospace industry, through systematic theoretical study and four-year continuous engineering practice training, focusing on the cross- combination of mechanical engineering, aviation and aerospace science and other disciplines, strengthening the acquisition of comprehensive application ability of engineering application and site management in aircraft manufacturing, aircraft maintenance and related fields; fully considering the needs of industry, emphasizing practical training, strengthening students' quality, introducing industry/enterprise standards into teaching; focusing on the international development, using EU technical specifications in teaching content, hardware equipment, operation standards, etc., to train highly qualified and applied talents who can engage in the aircraft manufacturing (assembly), structural maintenance and management.



FAMOUS TEACHERS



MILLIONS OF BOOKS



EXCHANGES BETWEEN





Main Courses

◇ Advanced mathematics, Engineering drawing, Machine elements, Aircraft structure and mechanical systems, Aircraft assembly process, Aviation maintenance management, Aircraft structure inspection and maintenance, Aircraft parts and accessories maintenance, Aircraft engine theory and structure, Composite material inspection and repair, Basic training of aviation engineering, Innovative training of aircraft manufacturing etc.

Teaching Facilities

◇ The School of Aviation and Aerospace has 25 experimental or training rooms (areas), about 4380 square meters, and more than 2340 sets of experimental or training instruments and equipment, with a total value of more than RMB 36 million, which can support the teaching activities such as engineering practical training and engineering design.

Employment Situation

◇ The employment is mainly for aircraft manufacturing and aircraft maintenance enterprises. In the past two years, the employment rate is above 85%. The main employment enterprises include Eastern Airlines Technic Co.,Ltd., SF Airlines, Juneyao Airlines, Airbus (Tianjin) Final Assembly Co.,Ltd., Xi'an Aircraft International (Tianjin) Co.,Ltd.

Admission requirements

- ◇ Over 18 years old and younger than 30 years old (proved by Passport);
- ◇ High school certificate or equivalent to grade 12 or year 12, as certified by the Ministry of Education, and can communicate in English language well;
- ◇ Students taught in English should provide the test report of IELTS (Overall score 5.0 or above), Or passed the English language proficiency test organized by the University;
- ◇ Priority admission will be given to those who have excellent grades in mathematics and physics in high school.

Application documents for self-financed students

- ◇ Application form of Tianjin Sino-German University of Applied Sciences
- ◇ Transcripts of the Highest Education (scanned copy)
- ◇ Diploma of the Highest Education (scanned copy)
- ◇ Scanned copy of the first page of the passport
- ◇ Foreigner Physical Examination Form
- ◇ Non-Criminal Record
- ◇ Bank deposit certificate not less than RMB 100,000
- ◇ Test report of IELTS

Application documents for Scholarship students

- ◇ Tianjin Municipal Government Scholarship Application Form
- ◇ Transcripts of the Highest Education (scanned copy)
- ◇ Diploma of the Highest Education (scanned copy)
- ◇ Scanned copy of the first page of the passport
- ◇ Foreigner Physical Examination Form
- ◇ 2 recommendation letters stamped or signed by your high school (scanned copy)
- ◇ Test report of IELTS

Program matrix (courses)

No	Course Name	Credit	No	Course Name	Credit
1	Basic Chinese I	6	29	Aerodynamics	3.5
2	Chinese listening and speaking I	6	30	Aviation Engineering Materials	3.5
3	Basic Chinese II	6	31	Fundamentals of Mechanical Design I	3
4	Chinese listening and speaking II	6	32	Fundamentals of Mechanical Design II	3
5	Chinese listening and speaking III	6	33	Aircraft CAD / CAM	2.5
6	Chinese listening and speaking IV	6	34	Aircraft Hydraulic Technology	2.5
7	Chinese Reading and Writing I	2	35	Fundamentals of Electrical Control in Aviation	4
8	Introduction to Chinese Culture I	1	36	Aircraft Structure and Mechanical System	3.5
9	Chinese Reading and Writing II	2	37	Electronic System of Civil Aircraft	3
10	Introduction to Chinese Culture II	1	38	Aviation Maintenance Management	2
11	Chinese Reading and Writing III	2	39	Human Factors and Aviation Regulations	2
12	Introduction to Chinese Culture III	2	40	Aircraft Assembly Process	3
13	Chinese Reading and Writing IV	2	41	Aircraft Structure Maintenance	2.5
14	Introduction to Chinese Culture IV	2	42	Principle and Structure of Aircraft Engine	3.5
15	Advanced Mathematics I	3	43	Composite Material Processing and Repair	2.5
16	Fundamentals of Computer Application	3	44	Principle and Structure of UAV	2
17	Advanced Mathematics II	3	45	Aviation Industry Computer System	
18	College Physics	4	46	UAV Application Technology	2
19	Physical Experiment I	1.5	47	Radio Communication Technology	
20	Probability Theory and Mathematical Statistics	2	48	Application Technology of Industrial Robot	2
21	Physical Experiment II	2	49	Aircraft Special Processing Technology	
22	Linear Algebra	2	50	Course Design of Basic Mechanical Design	1
23	Physical Education	1.5	51	Basic Training of Aviation Engineering	3
24	Engineering Graphics	3.5	52	Innovative Practice of Aircraft Manufacturing	1
25	Interchangeability and Measurement Technology	2	53	Aircraft Parts Processing Training	2
26	Fundamentals of Electrical Engineering and Electronics	4	54	Comprehensive Training of Aircraft Maintenance	2
27	Introduction to Aviation and Aerospace	2	55	Industry Practice	6
28	Engineering Mechanics	4	56	Graduation Thesis	12
Total Credit: 165					
Subject to change without notice.					

Contact US

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