

**BACHELOR OF SCIENCE (BS) IN AIRWAY SCIENCES IN
AIRCRAFT SYSTEMS MANAGEMENT (PROFESSIONAL PILOT)**
(CODE: 155)

(For students admitted or readmitted beginning in August 2021)

Accredited by **AABI**

ADMISSION REQUIREMENTS (New Students):

- Minimum High School GPA of 2.50
- Minimum 475 points in math and 490 in English sections of the PAA test (College Board) or equivalent test.
- First Class Medical Certificate issued by a FAA Certified Medical Doctor (14 CFR Part 67) in order to take classes in flight training courses.

General Education Requirements (G)	42 credits
Core Course Requirements (C)	46 credits
Major Requirements (M)	37 credits
Total Credits Required	125 credits

FIRST YEAR

First Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 2000	Introduction to Aeronautics and Space (C)	3		\$570.00		\$570.00
BADM 1900	Fundamentals of Business Management (C)	3		\$570.00		\$570.00
GEEN 1201 or 2311	English Communication I or Reading & Writing (G)	3		\$570.00	\$30.00	\$600.00
GEMA 1200	Fundamentals of Algebra (G)	3		\$570.00	\$60.00	\$630.00
GESP 1101 or 1021	Literature & Communication: Narrative & Poetry (G)	3		\$570.00	\$30.00	\$600.00
			General Fees			\$396.00
	Total ==>	15				\$3,366.00

Second Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 2115	Private Pilot Theory (M)	5	AWSC 2000	\$950.00		\$950.00
GEEN 1202 or 2312	English Communication II or Literature & Writing (G)	3	GEEN 1201 or 2311	\$570.00	\$30.00	\$600.00
GESP 1102 or 1022	Literature & Communication: Essay & Theater (G)	3	GESP 1101 or 1021	\$570.00	\$30.00	\$600.00
MATH 1500	Precalculus (C)	5	GEMA 1200	\$950.00	\$60.00	\$1,010.00
			General Fees			\$396.00
	Total ==>	16				\$3,556.00

SECOND YEAR

First Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 2116	Private Pilot Flight Laboratory (M)	1	AWSC 2115 or 2117, First Class Medical Certificate	\$190.00	\$9,225.00	\$9,415.00
AWSC 3300	Aviation Law (C)	3	AWSC 2000	\$570.00		\$570.00
AWSC 3411	Principles of Air Traffic Control (M)	3	AWSC 2000	\$570.00		\$570.00
GECF 1010	Introduction to the Christian Faith (G)	3		\$570.00		\$570.00
GEEN 1203 or 2313	English Communication III or Research & Writing (G)	3	GEEN 1202 or 2312	\$570.00	\$30.00	\$600.00
GESP 2203 or 2023	Literature and World View (G)	3	GESP 1102 or 1022	\$570.00	\$30.00	\$600.00
			General Fees			\$396.00
	Total ==>	16				\$12,721.00

Second Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 3155	Instrument Rating (M)	4	AWSC 2115 & 2116 & Private Pilot Certificate	\$760.00	\$8,485.00	\$9,245.00
AWSC 3600	Flight Safety & Security (C)	3	AWSC 3300	\$570.00		\$570.00
GEHS 2010	Historical Process of Contemporary Puerto Rico (G)	3		\$570.00		\$570.00
GEST 2020 or 2030	The Natural Environment & the Human Being or Technology and Environment (G)	3		\$570.00		\$570.00
PSYC 1051	General Psychology I (C)	3		\$570.00		\$570.00
			General Fees			\$396.00
	Total ==>	16				\$11,921.00

Specific Admission Requisites for Transfer Students or for Concentration Change:

- Transfer or concentration change students from other programs of the Inter American University of Puerto Rico or transfers from other universities or institutions of higher education can enter the programs in Aviation Sciences, if they meet the admission requisites of the Inter American University of Puerto Rico.
- Have a grade point average (GPA) of 2.5 or higher.
 - Have passed the Pre-Calculus course (MATH 1500) or equivalent with a grade greater than or equal to C.
 - To have passed the English courses at the intermediate level (GEEN 1201 and 1202) or English at the advanced level (GEEN 2311 and 2312) or equivalents with a grade greater than or equal to B.

Note:

- A minimum grade of C is required to approve the following courses: AWSC 2115, 2117, 3155 and 3160.
- The estimated hours for flight and ground for each flight course could be more depending of the flight proficiency of the student
- The students in this program will take theory and flight courses using the resources provided by the University. These resources include the services that, due to their nature, may be subcontracted.
- This sequential does not substitute the entry-year catalog.***

THIRD YEAR

First Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 2130	English Proficiency for Aviation Professionals (C)	3	AWSC 2000	\$570.00	\$330.00	\$900.00
AWSC 3160	Commercial Pilot (M)	3	AWSC 3155, Private Pilot Certificate with Instrument Rating	\$570.00	\$24,115.00	\$24,685.00
GEEC 2000	Entrepreneurial Culture (G)	3		\$570.00		\$570.00
GEHP 3000	Integrated Health & Quality of Life (G)	3		\$570.00		\$570.00
GEIC 1010	Information & Computer Technologies (G)	3		\$570.00	\$30.00	\$600.00
			General Fees			\$396.00
Total ==>		15				\$27,721.00

Second Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 4305	Aviation Meteorology (M)	3	AWSC 2020 o 2115 o 2117	\$570.00		\$570.00
AWSC 4310	Human Factors in Aviation (C)	3	AWSC 3600	\$570.00		\$570.00
MAEC 2211	Principles of Microeconomics (C)	3	GEMA 1200	\$570.00		\$570.00
MAEC 2221	Basic Statistics (C)	3	GEMA 1200	\$570.00		\$570.00
PHYS 3500	Physics for Aviation (C)	4	MATH 1500 or 1512	\$760.00	\$180.00	\$940.00
			General Fees			\$396.00
Total ==>		16				\$3,616.00

FOURTH YEAR

First Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 4204	Airline Operations (M)	3	AWSC 3160	\$570.00		\$570.00
AWSC 4320	Advanced Aircraft Systems (M)	3	AWSC 3160, PHYS 3500 & Commercial Pilot Single & Multi Engine Certificate	\$570.00		\$570.00
AWSC 4370	Flight Instructor (M)	4	AWSC 3160, Commercial Pilot Single & Multi Engine Certificate	\$760.00	\$4,223.00	\$4,983.00
GEPE 4040	Ethic & Social Responsibility (G)	3		\$570.00		\$570.00
MAEC 2212	Principles of Macroeconomics (C)	3	MAEC 2211	\$570.00		\$570.00
			General Fees			\$396.00
Total ==>		16				\$7,659.00

Second Semester						
Course Code	Description	Crs.	Requisites	Tuition	Fees	Total
AWSC 4000	Airport Development & Operations (C)	3	AWSC 3600	\$570.00		\$570.00
AWSC 4100	Career Development for Aerospace Professionals (C)	1	AWSC 3600	\$190.00		\$190.00
AWSC 4340	Applied Aerodynamics (M)	3	AWSC 3160, PHYS 3500 & Commercial Pilot Single & Multi Engine Certificate	\$570.00		\$570.00
AWSC 4364	Flight Instructor-Instruments (M)	1	AWSC 4370, Commercial Pilot Single & Multi Engine Certificate & Flight Instructor Certificate	\$190.00	\$3,535.00	\$3,725.00
AWSC 4373	Multi-Engine Instructor (M)	1	AWSC 4370, Commercial Pilot Single & Multi Engine Certificate & Flight Instructor Certificate	\$190.00	\$5,708.00	\$5,898.00
AWSC 4394	Training Techniques for Flight Crew (M)	3	AWSC 3160, Commercial Pilot Single & Multi Engine Certificate	\$570.00	\$2,025.00	\$2,595.00
ENGL 2075	Technical Literature (C)	3		\$570.00		\$570.00
			General Fees			\$496.00
Total ==>		15				\$14,614.00

Flight Courses Table (Estimated Cost)						
FLIGHT Course	DUAL ASEL or AMEL - Dual	SOLO ASEL-Solo	FTD Dual	GROUND AMEL-Dual	COST Total	
AWSC 2116	32.5 hours at \$170 per hour	7.5 hrs at \$150 per hour	10.0 hrs at \$115 per hour	60.0 hrs at \$20 per hour	\$9,000.00	
AWSC 3155	30.0 hours at \$170 per hour	1.5 hrs at \$150 per hour	14.0 hrs at \$115 per hour	60.0 hrs at \$20 per hour	\$8,135.00	
AWSC 3160	16.0 hours at \$170 per hour 10.5 hours at \$235 & 16.5 hours at \$275	63.5 hrs at \$150 per hour	24.0 hrs at \$115 per hour	60.0 hrs at \$20 per hour	\$23,540.00	
AWSC 4370	10.0 hours at \$170 per hour & 3.0 hours at \$235 per hour	2.0 hrs at \$150	2.0 hrs at \$115 per hour	60.0 hrs at \$20 per hour	\$4,135.00	
AWSC 4364	10.0 hours at \$170 per hour	2.0 hrs at \$150	5.0 hrs at \$115 per hour	45.0 hrs at \$20 per hour	\$3,475.00	
AWSC 4373	15.0 hours at \$295 per hour	none	5.0 hrs at \$115 per hour	30.0 hrs at \$20 per hour	\$5,600.00	
AWSC 4394	none	none	15.0 hrs at \$115 per hour	15.0 hrs at \$20 per hour	\$2,025.00	
Estimated Total					\$56,210.00	

Landing Fees	
AWSC 2116	\$225.00
AWSC 3155	\$350.00
AWSC 3160	\$575.00
AWSC 4370	\$88.00
AWSC 4364	\$60.00
AWSC 4373	\$108.00
Estimated Total	\$1,406.00

Other costs for Pilot certificates:

FAA Knowledge tests (6)	\$ 1,170.00
FAA Practical tests (7)	\$ 8,000.00
Total (paid directly to examiners)	\$9,170.00
Estimated Program Cost:	<u>\$85,174.00</u>
Estimated Total Cost:	<u>\$94,344.00</u>

Graduation Requirements:

1. Complete all the academic requirements of the program.
2. Achieve a minimum general grade point average of 2.50.
3. Pass General Education Intermediate or Advanced English courses with a minimum grade of B.
4. Students are required to have obtained certificates issued by the FAA. The certificates are: Private Pilot, Instrument Rating, Commercial Pilot with Single-Engine and Multi-Engine Rating, Certified Flight Instructor (CFI), Certified Flight Instructor-Instrument (CFII), and Certified Flight Instructor-Multi-Engine (MEI)