

AEROSPACE PROGRAM: INFO SESSION

UNIVERSITY OF PUERTO RICO AT MAYAGÜEZ



**CENTER FOR AEROSPACE AND
UNMANNED SYSTEMS ENGINEERING**



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WHAT IS THE CENTER FOR AEROSPACE AND UNMANNED SYSTEMS ENGINEERING ?

ENGINEERING CENTER

CONDUCT LEADING-EDGE AERONAUTIC, SPACE AND UNMANNED SYSTEMS RESEARCH, WHILE DEVELOPING NEW TECHNOLOGIES AND INSPIRING THE RISING GENERATION OF SCIENTISTS AND ENGINEERS.

WHAT IS AEROSPACE ENGINEERING?

**AEROSPACE ENGINEERING IS THE COMBINATION OF
AERONAUTICAL ENGINEERING
AND ASTRONAUTICAL ENGINEERING**

WHAT IS AEROSPACE ENGINEERING?

AERONAUTICAL ENGINEERING DEALS
WITH THE WHOLE FIELD OF ANALYSIS,
DESIGN, MANUFACTURING,
MAINTENANCE, TESTING, AND USE OF
AN AIRCRAFT.



WHAT IS AEROSPACE ENGINEERING?



ASTRONAUTICS ENGINEERING IS CONCERNED WITH THE FLIGHT OF VEHICLES IN SPACE, BEYOND THE EARTH'S ATMOSPHERE, AND INCLUDES THE STUDY AND DEVELOPMENT OF ROCKET ENGINES, ARTIFICIAL SATELLITES, AND SPACECRAFT FOR THE EXPLORATION OF OUTER SPACE.

WHY SHOULD I ENROLL?



EXPANDS YOUR CAREER OPTIONS

WORLD WIDE GROWING INDUSTRY

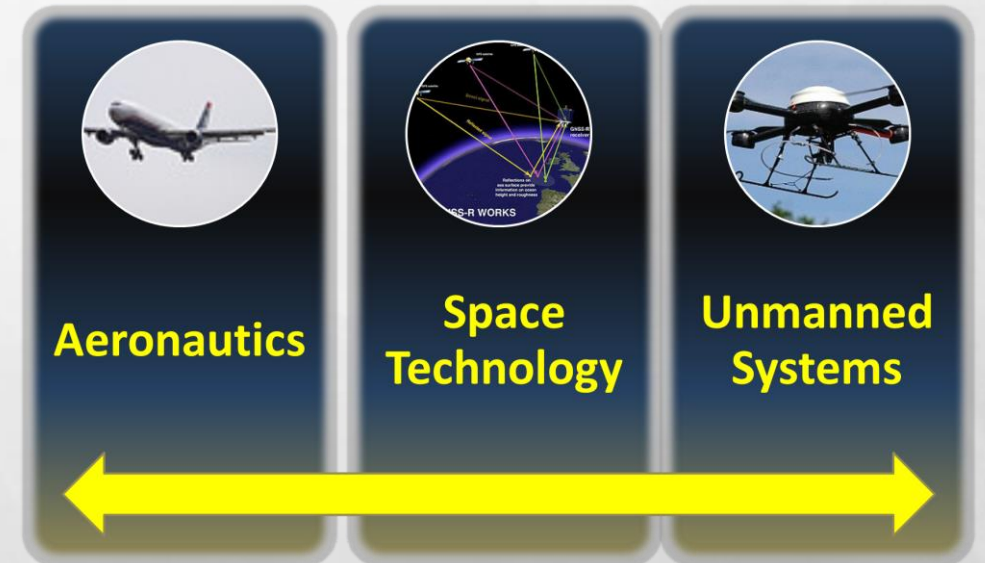
MILITARY AND CIVILIAN

EXCELLENT BENEFITS

**MOST SENIORS WILL RETIRE IN 5-10
YEARS!!!!**

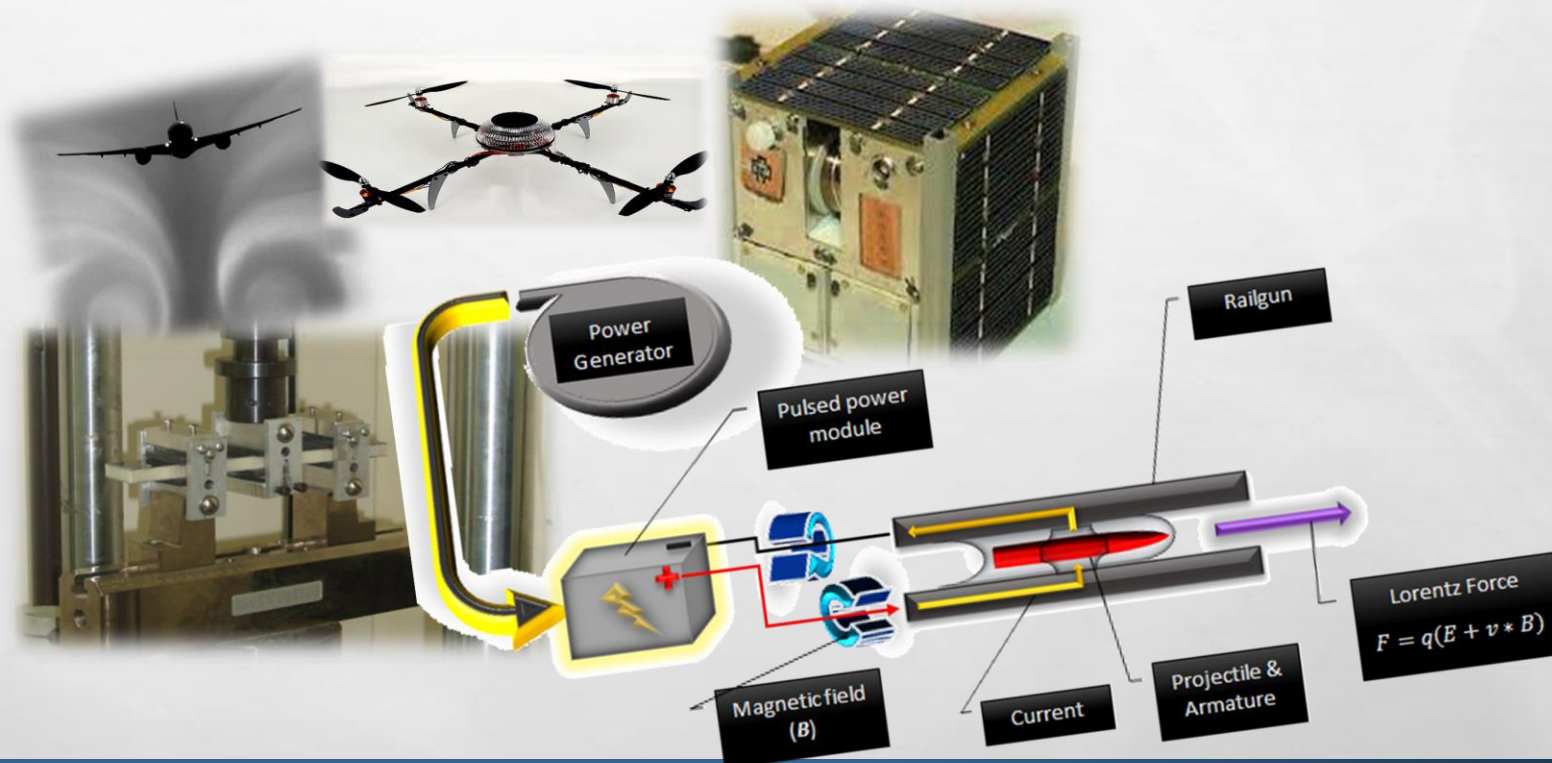
OPPORTUNITIES AT UPRM

Aeronautics	Space Research & Technology	Unmanned Systems
A. Dynamic Control Systems		
B. Materials and Structures		
C. Thermo-Fluids		
D. Energy and Power Systems		
E. CyberSecurity & Embedded Systems		
F. Radar, Photonics and Laser Systems		
G. Technology Innovations		



OPPORTUNITIES AT UPRM

PIONEERING RESEARCH



OPPORTUNITIES AT UPRM



**STUDENT
PROJECTS**

OPPORTUNITIES AT UPRM

**TECHNOLOGICAL
INNOVATION**



WHAT SHOULD I DO?

AEROSPACE DEGREE PROGRAMS

Mechanical Engineering
Electrical Engineering
Computer Engineering



TAKE THE FOLLOWING COURSES

WHAT SHOULD I DO?

AS EARLY AS 3RD YEAR

FOUNDATION COURSES		
Course	Course Name	Credits
INME 4709	Aircraft Performance SPRING SEMESTER	3
INME 4717	Introduction to Aircraft Structural Analysis FALL SEMESTER	3

CORE		
Course	Course Name	Credits
INME 4705	Applied Aerodynamics SPRING SEMESTER	3
INME 4707	Gas Turbine Thermodynamics and Propulsion FALL SEMESTER	3
INME 5717	Aircraft Structural Analysis and Design SPRING SEMESTER	3
INME 5707	Gas Turbine System Operation SPRING SEMESTER	3

USE TOWARDS YOUR FREE ELECTIVES

INME 4705	Applied Aerodynamics FALL SEMESTER	3
INME 4717	Introduction to Aircraft Structural Analysis FALL SEMESTER	3
INME 5717	Aircraft Structural Analysis and Design SPRING SEMESTER	3
INME 5707	Gas Turbine System Operation SPRING SEMESTER	3

USE AS A PROFESSIONAL ELECTIVE

INME 4709	Aircraft Performance SPRING SEMESTER	3
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USE BEYOND YOUR B.S. DEGREE CREDITS

INME 4707	Gas Turbine Thermodynamics and Propulsion FALL SEMESTER	3
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WHAT ARE COMPANIES LOOKING FOR?

3.30 GPA AND ABOVE

EXPERIENCE

MEMBER OF  STUDENT CHAPTER



QUESTIONS?



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