

Organization

■ Organising Institution:

School of Engineering - University of Seville

■ Director of Studies

Dr. Carpóforo Vallellano Martín

Requirements

■ For Admission

Having obtained any of the following 5 year degrees or Master's degrees in Engineering: Aeronautical, Industrial, Industrial Management, Telecommunications, Naval, Civil or Others. High level of English and Medium-high level of Spanish.

■ For the Master degree

To have one of the above-mentioned degrees and to have successfully completed the Master program and the Final Project.

Number of Credits: 80 ECTS

■ Teaching method: Lecture

Dates and fees

- Pre-selection: July - September 2013
 - Enrolment: 1-20 October 2013
 - Course: 14 November 2013 – 30 October 2014
 - Price: 6091 € (incl. tax)
- (Half-grants available for 20% of enrolled students)

Information: e.mail gscaio@us.es or phone +34 954 482175 (Monday to Thursday from 9 to 14h).

Application: Send a CV and photocopy of: Academics Records, ID or Passport, Professional and International experience and other merits to master.gsc&aio@military.airbus.com



EADS

Subject Area:

Engineering & New Technologies

Master in

**GLOBAL SUPPLY CHAIN AND
AERONAUTICAL INDUSTRY OPERATIONS**

Master in GLOBAL SUPPLY CHAIN AND AERONAUTICAL INDUSTRY OPERATIONS

5th Edition. 2013-2014

(Paid Practice)



Objectives

■ To train the participants in specific skills in the business and global supply chain management of the aeronautical industry, as well as in engineering operations, manufacturing, assembly, quality and lean, giving also a broad vision about management and operational techniques of the leader company AIRBUS MILITARY (EADS) in Andalusia and Spain.

Competencies

■ To give the participants a general knowledge of related fields within the aeronautical industry organisation, business model and supply chain. To train the participants in general knowledge of the production systems, materials and components for aircraft, manufacturing processes, assembly processes and testing involved in aeronautical production.

Assessment Procedure

■ Examinations, homework, group work, training practice at Airbus and a Master Thesis

Academic Committee

Dr. José David Canca Ortiz

University of Seville – Industrial Engineering and Management Science.

Dr. Remedios Carmona Rodríguez

AIRBUS Military - Head of Industrial Innovation

Mr. Jesús Espinosa Ruíz

AIRBUS Military – Vice-president Head of Manufacturing Engineering & Technology Development

Mrs. Beatriz García Fernández

AIRBUS Military - HR Lean Manufacturing.

Dr. Pedro L. González Rodríguez

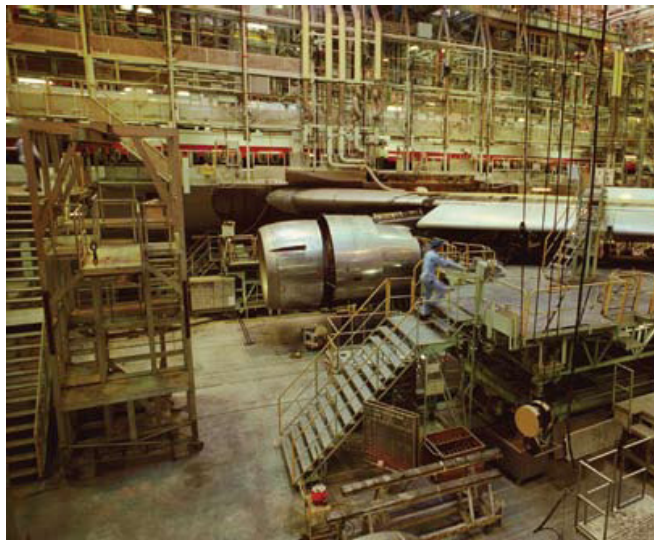
University of Seville -. Industrial Engineering and Management Science.

Dr. Federico París Carballo

University of Seville – Continuum Mechanics and Theory of Structures.

Dr. Carpóforo Vallellano Martín

University of Seville – Mechanical and Materials Engineering.



Contents

■Module 1. INTRODUCTION. OVERVIEW OF AERONAUTICAL INDUSTRY (1 ECTS)

Master Introduction/ Aeronautical environment / Business Model / Legal affairs and Human Resources in the Aerospace Industry.

■Module 2. MATERIALS, AIRCRAFT COMPONENTS AND AIRCRAFT SYSTEMS (3 ECTS)

Composite Materials in Aircraft Manufacturing / Metal Materials in Aircraft Manufacturing / Aircraft Systems' Integration / Aircraft Structures.

■Module 3. PRODUCTION MANAGEMENT AND PLANNING (4 ECTS)

Introduction / Planning / Facilities Management / Logistics / Production Planning and Controlling / FAL Planning and Controlling.

■Module 4. MANUFACTURING PROCESSES AND OPERATIONS (3 ECTS)

Material Removal Processes / Metal Forming Processes / Manufacturing of Composite Parts / Wire Harness Manufacturing and Assembly / Manufacturing Technologies I & II.

■Module 5. QUALITY (3 ECTS)

Introduction to Quality / Quality management / Regulations and Certification / Company Quality Systems / Quality in Final Assembly Line (FAL) / Quality in Aero Structures Assembly / Quality in Supply Chain Management.

■Module 6. LEAN (2 ECTS)

Introduction to Lean Production / Lean in Parts Manufacturing / Lean in Aero Structures Assembly / Lean in Final Assembly Line (FAL).

■Module 7. ASSEMBLY OF AEROSTRUCTURES (2 ECTS)

Joining Processes / Aero structures Assembly Engineering / Aero Structures Assembly Production: Planning and Controlling / Aero Structures Assembly Production: Production Organization / Maintenance.

■Module 8. ENGINEERING (2 ECTS)

Product Lifecycle Management (PLM) / Product Structure / Industrialization, Support / PLM Tools / Ground Test System / Industrial Innovation.

■Module 9. SKILLS (3 ECTS)

Effective Communication / Presentations & Meetings / Team Building / Negotiation.

■Module 10. SUPPLY CHAIN MANAGEMENT (3 ECTS)

Introduction to the Global Supply Chain / Global Supply Chain I / Global Supply Chain II / Practical Overview.

■Module 11. FINAL ASSEMBLY LINE (FAL) (2 ECTS)

Manufacturing and Production / Manufacturing Engineering and Industrialization / FAL Logistics / Facilities / Tooling Facilities / Ground Test System.

■Module 12: TRAINING PRACTICE (44 ECTS)

Training practice at AIRBUS MILITARY facilities (paid practice).

■Module 13: MASTER THESIS (8 ECTS)

Data Overview - INTERNSHIP MASTER GLOBAL SUPPLY CHAIN AND AERONAUTICAL INDUSTRY OPERATIONS - 10221865

General Job Information

Basic Data

Requisition Title INTERNSHIP MASTER GLOBAL SUPPLY CHAIN AND AERONAUTICAL INDUSTRY OPERATIONS		Alias NB10221865
Resolution mode 1- External (recruitment out of EADS)	Creation / Replacement Creation	OM-Position Exists
Reason / Person Replaced		
Assignment / Location EADS CASA San Pablo Sevilla		Number of Positions 25
Desired Hiring Date 14.11.2013	Duration	Deadline for applications 30.09.2013
Target Group Student	Work experience No work experience	Industry sector Aeronautics

Job Details

Position	
Organizational Unit	Department / Siglum
Cost Center	Employment Type
Contract Type Graduate programme	Under ITAR Regulation No
Additional OM-Information (ERA, Head of position, etc.)	
Functional Area SUPPLY MANAGEMENT / Sourcing, Buying and Ordering	Job SJ-SP-HQ-001 - Sourcing Strategy

Missions and activities

INTERNSHIP MASTER GLOBAL SUPPLY CHAIN AND AERONAUTICAL INDUSTRY OPERATIONS (5th Edition. 2013-2014)

Requirements:

- For Admission: having obtained any of the following degrees in Engineering: Aeronautical, Industrial, Industrial Organization, Telecommunications, Naval, Civil or Other . High level of English and Medium-high level of Spanish.
- For the Master degree: to have one of the above-mentioned degrees and to have successfully completed the Master program and the Final Project.

Objectives: to train the participants in specific skills in the business and global supply chain management of the aeronautical industry, as well as in engineering operations, manufacturing, assembly, quality and lean, giving also a characteristic vision about management and operational techniques of the leader company AIRBUS MILITARY (EADS) in Andalusia and Spain.

Competencies: to give the participants a general knowledge of related fields within the aeronautical industry organisation, business model and supply chain. To train the participants in general knowledge of the production systems, materials and components for aircraft manufacturing and manufacturing and assembly processes involved in aeronautical production.

Assessment Procedure: examinations, homework, training practice at Airbus and a Master Thesis

Number of Credits: 80 ECTS

Teaching method: Face-to-face

Dates and fees:

- Pre-enrolment: July 2013 - September 2013
 - Enrolment: October 2013
 - Course: November 2013 - October 2014
 - Cost: 6091 € (incl. tax)
- (Half-grants available for 20% of enrolled students)

Information (contact and CV reception):

master.gsc&aio@military.airbus.com

Phone: +34 954 482175

Studies: Young graduates or students without final thesis of AEROSPACE, INDUSTRIAL OR TELECOM (5 years degree)

Languages: French and/or German will be taken in our consideration

Spanish knowledge

Detailed competences (include proficiencies)

Technical Basics -Supply market assessment -Supply Management fundamentals -Process re-engineering fundamentals -English -Drive strategic orientation -Communicate and Influence

Specific Job Details (specific work location, job family, programme, shift & working period...)

Payment Information

No data on payment information available

Education Requirements

Education Level	Field of Education	Subject
Degree 5 Years & more	Engineering / Aerospace Engineering	
Degree 5 Years & more	Engineering / Industrial Engineering	
Degree 5 Years & more	Engineering / Telecom, Networks	

Job Requirements-Skills

04-Language

Experience	Level of Experience
English	Advanced

Status

Released

Approval History

Date	Time	Name	Role	Approval Status	Reason
25.06.2013	08:37:23	Mr CARLOS FERNANDEZ	Hiring Manager	Approved (final validation)	Released by recruiter

Status History

Date	Time	Name	Status	Status Reason
25.06.2013	08:37:22	Mr CARLOS FERNANDEZ	Released	Validated Request / recruiter release
21.06.2013	08:25:22	Mr CARLOS FERNANDEZ	Draft	