

## PROGRAMME SPECIFICATION – POSTGRADUATE PROGRAMMES

### KEY FACTS

Programme name	Air Transport Management
Award	MSc
School	Mathematics, Computer Science and Engineering
Department or equivalent	Mathematics, Computer Science and Engineering
Programme code	PSATRM
Type of study	Part Time
Total UK credits	180
Total ECTS	90
Partner (partnership programmes only)	
Type of partnership	

### PROGRAMME SUMMARY

MSc Air Transport Management is for experienced aviation industry personnel who wish to enhance their career progression in the transport management field, by improving knowledge of the complex disciplines required to enable full understanding of the various technical, operational and financial pressures impacting on flight operations.

The MSc in Air Transport Management is a mid-career education for those involved in the air transport industry. It is suitable for those employed in a professional capacity in air transport and related industries and wish to move into management. The knowledge attained on the wide range of topics covered in the modules will enable you to make a greater contribution to your organisation. A key feature of the course is the development of shared values since, for many of you, it is the first time in your career that you will meet and work with other professions within the industry.

#### ***Postgraduate Certificate in Air Transport Management and Postgraduate Diploma in Air Transport Management***

PG Certificate or PG Diploma may be awarded to students who do not wish to complete the MSc Course but have gained sufficient credit as defined by the Assessment Regulations (see below). This is most usually taken by students who have completed an MSc in one topic and wish to add a specialisation.

The PG Certificate in Air Transport Management gives students a background to the worldwide air transport industry. PG Diploma gives students an extended repertoire of skills needed enabling them to move productively and effectively onto the first steps of commercial or safety management.

#### ***MSc in Air Transport Management***

For an MSc, students must pass eight modules and the Induction Workshop over one to five years. Students are also required to undertake a project in an air transport related subject as a part of Project module EPM860.

The full MSc in Air Transport Management gives students a thorough background to the worldwide air transport industry providing an opportunity to explore an aspect of Air Transport Management in depth through the literature and empirical evidence and to

make related and well founded recommendations.

This MSc course has close links with the MSc Air Safety Management Course and the MSc in Aircraft Maintenance Management and many modules are common. Students who have already completed one of the MSc are eligible to further study for the Postgraduate Diploma by completing 120 credits from the taught Programme (Modules already taken may not be taken again or counted towards the second Degree).

#### Aims

- To educate the professional so that they may take managerial responsibility with confidence and with the ability to succeed.
- To provide employers with suitable talent for managerial positions.
- To satisfy the requirements of the Royal Aeronautical Society Accreditation and to satisfy the requirements of The Honourable Company of Air Pilots who initiated the course and who continue to take an active interest in the quality of graduates produced.

### **WHAT WILL I BE EXPECTED TO ACHIEVE?**

**On successful completion of this course, you will be expected to be able to:**

#### Knowledge and understanding:

- Evaluate the interaction of all the major components of the air transport industry (e.g. organisations, governments, airlines, alliances, airports Regulatory Authorities, suppliers, manufacturers, staff, unions etc)

#### Skills:

- Critically appraise regulatory, economic, professional and political information from various sources throughout the air transport industry
- Propose airline operation and management strategies using computer simulation tools
- Produce notes to a professional standard for readers from all background
- Assess safety as the over-riding objective within the air transport Industry
- Recognise that qualities and knowledge of an airline professional (e.g. pilot) are readily transferable worldwide
- Present information in oral and written form to all levels and backgrounds throughout an international organisation.
- Value communication as a central requirement for an efficient and safe organisation
- Formulate solutions to problems within a multi disciplinary and multicultural society
- Critically appraise the information during the module

#### Values and attitudes:

- Value the contribution made by each professional group.
- Recognise that this is the largest multi-cultural industry in the world and that performance must transcend national barriers

This course has been developed in accordance with the QAA Subject Benchmark for Generic Masters Level courses

## HOW WILL I LEARN?

The course involves a variety of teaching methods including lectures and tutorials requiring attendance plus breakout sessions. These will involve group work and presentations. Case studies may be handed out for study in the evening and discussion the next day. A leading lecturer and a number of specialist lecturers from industry teach each module over an intensive 3-day period. Identical modules run in Dubai, Bahrain and Frankfurt as well as London. During each module, you are required to work in a small team to examine the relevant issues and to present results. Each module has been designed to develop a specific skill.

For every Module, you will be given a Module Handbook containing the PowerPoint presentations, relevant papers and other material. There is space for you to annotate with your own notes. Each of the substantial module handbooks contains information relevant to that module and you are expected to re-read the material after the module. In all, you will have 8 Module Handbooks and an Induction Handbook and can buy text books as required.

It is a requirement of this Course that you attend, in full, all hours of each taught module unless given specific dispensation by the Course Director.

Assessment of the taught modules is undertaken through a combination of the following elements:

1. Coursework "A" evaluates the core knowledge you have of the module topic.
2. Coursework "B" aims to demonstrate the application of the work of the specific module to your own organisation (or, if this is not possible, another organisation with which you are familiar). Your critical abilities are developed, in particular to understand why organisation may have strengths and weaknesses and how these can reasonably be improved or strengthened.
3. Examinations, each lasting 90 minutes, are specifically designed to test:
  - The knowledge gained in the module.
  - Your ability to distil large quantities of information into succinct but correct format.
  - The ability to produce correct results under time pressure

This is an induction workshop, plus eight-module plus project course, with students taking three compulsory modules (the induction workshop is also compulsory) and the balance (five modules) coming from an elective module list. The course is designed to take advantage of the existing MSc Air Safety Management (ASM) and Aircraft Maintenance Management (AMM) degrees, both by following their structure, and by using some of their existing modules.

The major dissertation is also undertaken by all students on the MSc Air Transport Management Course. It is assessed by three Examiners reading the report and by holding a Viva. It tests your ability to bring together and understand information from many sources and to respond and defend to intense questioning from senior industry staff. Non-timetabled lecturer / student contact is encouraged during the project and it is normal for students to involve their present or future employer.

## **WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?**

### Assessment and Assessment Criteria

You are assessed by completing a 1,500 to 2,000-word piece of individual coursework for every module you take.

The Induction Workshop is assessed by completing a 2,500 to 3,000-word piece of individual coursework, serving also as the final acceptance assessment for the MSc Programme.

Compulsory modules are assessed by the completion of one piece of coursework plus an examination. Elective modules are assessed by two pieces of coursework. All students taking the MSc must also complete an individual project in an appropriate subject, totalling between 10,000 and 15,000 words. This is examined by the written submission and by a Viva for all students.

Assessment Criteria are descriptions, based on the intended learning outcomes, of the skills, knowledge or attitudes that you need to demonstrate in order to complete an assessment successfully, providing a mechanism by which the quality of an assessment can be measured. Grade- Related Criteria are descriptions of the level of skills, knowledge or attributes that you need to demonstrate in order to achieve a certain grade or mark in an assessment, providing a mechanism by which the quality of an assessment can be measured and placed within the overall set of marks. Assessment Criteria and Grade-Related Criteria will be made available to you to support you in completing assessments. These may be provided in course handbooks, module specifications, on the virtual learning environment or attached to a specific assessment task.

### Feedback on assessment

Feedback is provided on all coursework to help you improve your marks on later assignments.

Feedback will be provided in line with our Assessment and Feedback Policy. In particular, you will normally be provided with feedback within three weeks of the submission deadline or assessment date. This would normally include a provisional grade or mark. For end of module examinations or an equivalent significant task (e.g. an end of module project), feedback will normally be provided within four weeks. The timescale for feedback on final year projects or dissertations may be longer. The full policy can be found at: [https://www.city.ac.uk/\\_data/assets/pdf\\_file/0008/68921/assessment\\_and\\_feedback\\_policy.pdf](https://www.city.ac.uk/_data/assets/pdf_file/0008/68921/assessment_and_feedback_policy.pdf)

### Assessment Regulations

In order to pass your Course, you should complete successfully or be exempted from the relevant modules and assessments and will therefore acquire the required number of credits.

The pass mark for each module is 50%.

If you fail an assessment component or a module, the following will apply:

1. Compensation: where you fail up to a total of 20 credits at first or resit attempt, you may be allowed compensation if:

- Compensation is permitted for the module involved (see the What will I Study section of the programme specification), and
- It can be demonstrated that you have satisfied all the Learning Outcomes of the modules in the Programme, and
- A minimum overall mark of no more than 10% below the module pass mark has been achieved in the module to be compensated, and
- An aggregate mark of 50% has been achieved overall.

Where you are eligible for compensation at the first attempt, this will be applied in the first instance rather than offering a resit opportunity.

If you receive a compensated pass in a module you will be awarded the credit for that module. The original component marks will be retained in the record of marks and your original module mark will be used for the purpose of your Award calculation.

2. Resit: Where you are not eligible for compensation at the first attempt, you will be offered one resit attempt.

If you are successful in the resit, you will be awarded the credit for that module. The mark for each assessment component that is subject to a resit will be capped at the pass for the module. This capped mark will be used in the calculation of the final module mark together with the original marks for the components that you passed at first attempt.

If you do not meet the pass requirements for a module and do not complete your resit by the date specified you will not progress and the Assessment Board will require that you be withdrawn from the Programme.

If you fail to meet the requirements for the Programme, the Assessment Board will consider whether you are eligible for an Exit Award, as per the table below.

If you would like to know more about the way in which assessment works at City, please see the full version of the Assessment Regulations at:

[http://www.city.ac.uk/\\_data/assets/word\\_doc/0003/69249/s19.doc](http://www.city.ac.uk/_data/assets/word_doc/0003/69249/s19.doc)

## WHAT AWARD CAN I GET?

### Master's Degree:

	HE Level	Credits	Weighting (%)
Taught	7	120	67
Dissertation	7	60	33

### **Class**                      **% required**

With Distinction	70
With Merit	60
Without classification	50

### Postgraduate Diploma:

	HE Level	Credits	Weighting (%)
Taught	7	120	100

### **Class**                      **% required**

With Distinction	70
With Merit	60
Without	50

<u>Postgraduate Certificate:</u>				classification	
<b>Part</b>	<b>HE Level</b>	<b>Credits</b>	<b>Weighting (%)</b>	<b>Class</b>	<b>% required</b>
Taught	7	60	100		
				Without classification	50

**WHAT WILL I STUDY**

Taught

Students must take a total of eight modules and an induction workshop as follows:  
 Induction Workshop – assessed by one coursework only – no credits. Students are required to pass a coursework assessment in order to progress on to the programme.

Three ‘Compulsory’ modules. - Compulsory modules are assessed by examination and Coursework 'A' – 15 credits

Five ‘Elective’ modules – Elective modules are assessed by coursework A and coursework B – 15 credits.

This structure ensures that each student achieves the required credit, depth and breadth of knowledge and understanding but yet provides the student with a flexibility to deepen their knowledge in areas most suitable to their needs.

The course is designed to take advantage of the existing MSc ASM/AMM degrees, both by following their structure, and by using some of their existing modules.

You are not normally required to pass all taught modules before progressing to the dissertation.

Module Title	SITS Code	Module Credits	Compulsory/ Elective	Can be Compensated?	Level
Induction Workshop	EPM977	0	C	N	7
Airline Operational Regulatory Compliance	EPM825	15	E	N	7
Project	EPM860	60	C	N	7
Airworthiness	EPM897	15	E	N	7
Airline Maintenance	EPM906	15	E	N	7
Airline Operations	EPM820	15	C	N	7
Marketing	EPM821	15	E	N	7
Human Resource Management	EPM822	15	E	N	7
Air Transport Economics	EPM823	15	C	N	7
Financial Accounting	EPM824	15	E	N	7
Crisis Management	EPM828	15	E	N	7

Airline Fleet Planning	EPM829	15	E	N	7
Airline Business	EPM831	15	C	N	7
Safety Management - Tools and Methods	EPM833	15	E	N	7
Active Safety Management	EPM836	15	E	N	7
Psychology in Aviation Management	EPM966	15	E	N	7
Airport Ground Handling	EPM968	15	E	N	7
Developing a Business Plan	EPM969	15	E	N	7
Air Accident Investigation	EPM970	15	E	N	7
Leadership in Organisations	EPM971	15	E	N	7
Airline Revenue Management and Finance	EPM972	15	E	N	7
Safety Risk Management	EPM973	15	E	N	7
Sustainable Aviation	EPM975	15	E	N	7
Review of Quality, Safety and Aviation Business Functions	EPM976	15	E	N	7
Future Aviation Challenges – from Unmanned to Spaceflight Vehicles	EPM980	15	E	N	7

#### **TO WHAT KIND OF CAREER MIGHT I GO ON?**

The courses have been very successful in helping graduates with their careers as shown below:-

This is a mainly a vocational Course and as such its success can be judged by the subsequent career progression of students and alumni. Of the 850 alumni about 75% remain in contact, sending information on their career developments. Recent information includes the following:

- A Captain with a small regional airline, when enrolled, a 2002 Graduate has set up his own airline, Jet Time, and is its President and CEO. It will acquire its seventh 737 in 2012
- A Check-in clerk at Gatwick when enrolled, a 2000 Graduate is now President and CEO of Estonian Airways
- A First Officer when enrolled and in 2005 the first UAE National sponsored by Emirates to Graduate is now a Management Captain
- An RAF pilot when enrolled is now Director, Marketing for Bombardier, Eastern Europe and Soviet Union.
- An RAF Air Traffic Controller immediately moved into a senior training position at Eurocontrol, Brussels.
- An Emirates maintenance engineer now managing the Emirates New York base which turns-round seven flights a day and deals with over 1,000,000 passengers a year.
- A Self-employed electronics engineer when enrolled has joined ICAO in a senior position of air traffic control in Montreal.
- An RAF ground operations administrator student who is nearing completion has joined the Norwegian CAA.
- A student who was a shift controller has become Deputy Manager KLM/Air France Terminal staff, Heathrow.

If you would like more information on the Careers support available at City, please go to: <http://www.city.ac.uk/careers/for-students-and-recent-graduates>.

### **WHAT STUDY ABROAD OPTIONS ARE AVAILABLE?**

Modules are delivered in London, Dubai, Frankfurt and Bahrain. Delivery of all Modules is identical where-ever they are delivered and students can attend at different locations should they wish.

### **WILL I GET ANY PROFESSIONAL RECOGNITION?**

#### **Accrediting Body:**

Royal Aeronautical Society

#### **Nature of Accreditation**

Having attained the MSc Air Transport Management holders will be eligible for part exemption when applying for Corporate Membership of the RAeS.

Continuous and detailed review is by the Education Committee of The Honourable Company of Air Pilots (formerly known as GAPAN).

### **HOW DO I ENTER THE COURSE?**

Relevant degree 2:1 or above (normally) or Air Transport Pilots Licence (ATPL) under JAA or FAA regulations or Aircraft Licenced Engineer (ALE) under JAA regulations or Air Traffic Control Licences (normally training and/or Area Licences required). Other academic qualifications will be considered. In all cases, it is a normal requirement of entry that you are currently employed in the Air Transport industry (e.g. airlines, maintenance organisations, regulators ATC, air forces, airports etc). Exceptions can be made: for example where you have relevant experience but have lost your licence for medical reasons.

Candidates will first complete an Induction Workshop (EPM977) with entry points 4 times per calendar year. Every candidate must take an entry assessment so that the Course Director can assess their suitability and they can assess whether they will be able to devote enough effort to complete the course. The entry assessment is by attendance of the Induction workshop (EPM977) and completion of one piece of Coursework on a general aviation topic. The marks from this coursework do not count towards the final award but those who pass, will be admitted on to the MSc programme.

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