

ISU specializes in the education of post-graduates and professionals to prepare them for work in an exciting, progressive sector – space! Future leaders and influential thinkers need new skills and a global perspective to prepare them to meet the challenges of a constantly evolving world.



*"To state it plainly, ISU far exceeded my expectations on providing a truly unique learning experience for its students. Not only does ISU have a sound curriculum including nine*

different departments all focused on different aspects of the space sector, but it also delivers the information according to its 3Is approach. I cannot think of a single other university that allows students to study space sector topics in such detail, in such an environment."

> Jonathan Lenius, SSP 03, NASA Johnson Space Center,  
USA

Located in Strasbourg, France, ISU provides an incomparable opportunity for an international and interdisciplinary education, with students and teachers from around the world with experience in many fields related to the space sector, both technical – physical and life sciences, technology and engineering, applications, medicine – and non-technical – law, economics, humanities, art, policy, philosophy, history.

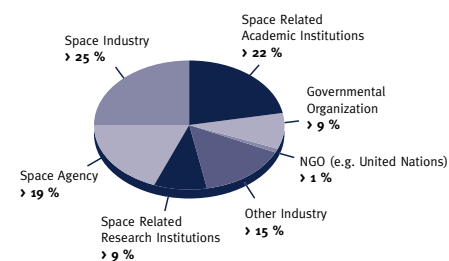


*"In a truly global forum, the MSS Program, including the fantastic opportunity to conduct my internship experience at the University of Texas Medical Branch, is helping me lay the foundations for a career in space life sciences...I'm happy about the entire experience – the unique totality that ISU offers."*

> Dr Sarita Dara, MSS 03, Physiology Training Officer,  
Singapore Aeromedical Centre



### ISU Alumni Current Activities' Sectors:



*"I can say that ISU's 3i's has really changed my perspectives of space, technological advancement, culture and life on Earth. In addition to sharpening my base skills as an Electrical Engineer, ISU has offered me a greater window of opportunity to participate in the burgeoning Nigerian Space Research and Development Program. At ISU there is never a dull moment, and I know having been to ISU my life will never be the same."*

> Olufemi Arosanyin, SSP 02 / MSS 04, Nigeria



 *"Opening ourselves to the global space community, JAXA is pleased to support the ISU programs and research activities in order to take advantage of this complementary global aspect"*  
 > Prof. Yasunori MATOGAWA, Associate Executive Director, Japan Aerospace Exploration Agency (JAXA)

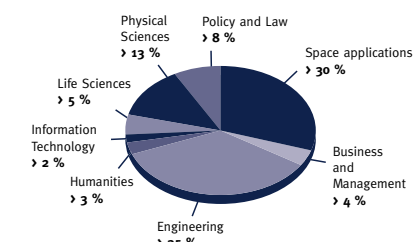
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 *"CNES welcomes ISU training as it believes in the high value of the international dimension that ISU offers to future space professionals"*

> Mr. Stéphane Janichewski, Head of the Directorate of Strategy, Programmes and International Relations

### Students' Educational Backgrounds:



 **BOEING**  
Forever New Frontiers

*"The Boeing Company is a strong supporter of ISU's concept of international, interdisciplinary and intercultural education for those involved in the space industry and as a result a number of ISU alumni are currently working at Boeing."*

> Michael Mott, Vice President and General Manager,  
The Boeing Company

## Becoming an ISU student means:

- Broadening knowledge in the exciting, progressive field of space
- Developing skills in international team working, team building and management
- Integrating into an international professional network



# CURRICULUM

## MSS M.Sc. IN SPACE STUDIES

## MSM M.Sc. IN SPACE MANAGEMENT

### • Module 1

#### Core Curriculum

- Develops an awareness of the space environment, space applications and the history and motivation behind space activities
- Imparts fundamental principles and practices in engineering, the sciences, economics, project management, marketing, policy and law
- Facilitates intercultural awareness and develops teamwork skills

### • Module 2 & 3 (MSS) Specialized Curriculum

- Design of robotic and human spacecraft
- Design of space telecommunications and navigation systems
- Advanced information systems and human-computer interactions
- Introduction to project financing and insurance
- Remote sensing techniques and applications
- Launch and ground facilities
- Deep space missions
- Space science
- Architecture of space habitats
- Space astronomy and astrophysics
- Space hazards and their mitigation
- Medical-biological problems of space flight

### • Module 2 & 3 (MSM) Specialized Curriculum

- Introduction to robotic and human spacecraft
- Space telecommunications, earth observations and navigation business models
- Information management and knowledge mining
- Advanced project financing and insurance techniques
- Principles of corporate and business law
- New project management technologies
- Legal aspects of space business
- Marketing research and planning
- Human resources management

### • Module 4

#### Team Project

- Divides the class into two teams and challenges each to produce its own conceptual design of an international space project

**Titles of current and past Team Projects available at:**  
[www.isunet.edu](http://www.isunet.edu)

### • Module 5

#### 3-month International Professional Internship

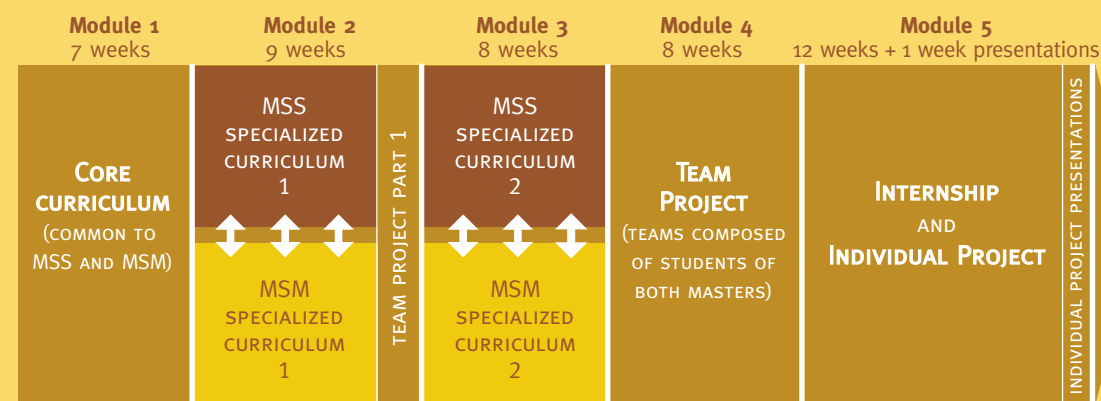
- Provides work or research experience in the student's field of interest and in accordance with his or her career goals
- Encourages the application and development of independent work and study skills
- Enables the student to contribute to the on-going work of his or her selected host institution

#### Professional Visits

- To major space related facilities and events in Europe
- Opportunities to visit the European launch facilities in Kourou, French Guiana and space-related facilities in Russia



# SCHEDULE



|            |                                                               |                                              |
|------------|---------------------------------------------------------------|----------------------------------------------|
| Module 1   | (7 weeks)                                                     | First week of September - Mid October        |
| Module 2   | (9 weeks)                                                     | Mid October - Mid December                   |
| Module 3   | (9 weeks)                                                     | Early January to end February                |
| Module 4   | (9 weeks)                                                     | March to early May                           |
| Module 5   | (12 week internship period)<br>(1 week Project Presentations) | Mid May to Mid August<br>Last week of August |
| Graduation |                                                               | First week of September                      |

The five modules may be completed on a full-time basis from September to August, or on a part-time basis (the modular option), completing one or more modules per year during a maxi-

mum period of three years. If the modular option is chosen, Modules 1 and 2 must be successfully completed first; Modules 3, 4 and 5 may subsequently be completed in any sequence. Students

who have successfully completed an ISU Summer Session within the six years preceding registration to the MSS or MSM, may elect to join the Masters at the start of Module 2.

### ROLLING DEADLINES

- For self-financed candidates or those financed by their employer:

**1 July**

- For candidates seeking financial aid through ISU:

**31 December**

**31 January**

**15 March**

### TUITION FEES

**25,000 EUR**

(Tuition fees do not cover living expenses)

**Module 1: 5,500 EUR**

**Module 2: 5,500 EUR**

**Module 3: 5,500 EUR**

**Module 4: 5,500 EUR**

**Module 5: 3,000 EUR**

For SSP alumni who graduated within six years before the start of the MSS/MSM:

**19,500 EUR**



# ADMISSIONS

## HOW TO APPLY

### APPLICATION FORM

- Use of the on-line application is highly recommended. A PDF version is also available at:

[www.isunet.edu](http://www.isunet.edu)

### WHERE TO SUBMIT

It is important that all candidates find out if there is a local liaison office in their country of origin. A list of liaisons and local admission procedures (if different from those of ISU) is available at [www.isunet.edu](http://www.isunet.edu)

- If using the on-line application, only printed documents should be sent to ISU\*:  
**INTERNATIONAL SPACE UNIVERSITY**  
Admissions Office  
1 rue Jean-Dominique Cassini  
67400, Illkirch-Graffenstaden  
France  
E-mail: [admissions@isunet.edu](mailto:admissions@isunet.edu)
- For written application, ALL forms must be sent directly to ISU\*.

\*or to the appropriate liaison office if necessary

### WHAT TO SUBMIT?

- 1) On-line or paper application.
- 2) 500-word essay explaining your reasons for wishing to participate in an ISU program. Discuss how you would contribute to the program and how you expect to benefit from it in relation to your academic and professional background and career objectives.
- 3) 100-word biography (not to be used in the evaluation process but to be included in the Student Biographies Booklet).
- 4) Curriculum Vitae/Resume.
- 5) Certified academic records, transcripts or mark sheets (photocopies are acceptable), showing year(s) of attendance, grades received, class standing and the degree or qualification conferred.
- 6) Two letters of recommendation in sealed envelopes.
- 7) Declaration of professional experience (including relevant internships).
- 8) Financial Information.
- 9) Facts sheet.
- 10) Proof of language proficiency in English (TOEFL or equivalent).

If the records are not in English, a certified English translation must be provided.

### AFTER SUBMISSION

- ISU will acknowledge receipt of your application. If incomplete (missing one or more above items), you will be notified. Incomplete applications will not be submitted to the Admissions Committee or the Funding Committee.
- The application material will become the property of ISU and will remain confidential

## ADMISSIONS / FUNDING

### ACADEMIC ACCEPTANCE

Applicants are assessed on the basis of their academic and professional qualifications and achievements.

Preference is given to applicants:

- holding higher academic degrees
- with professional experience in industry, government agencies or academic institutions
- proficient in a second language or willing to learn one
- focused career objectives
- excellent references

Please note that a Bachelor's degree (in any discipline) is the minimum requirement for admission to ISU.

For SSP, some exceptions are made for candidates with adequate professional experience in fields relevant to the main academic content.

### SCHOLARSHIPS AND FINANCIAL AID

ISU has scholarships, as well as financial aid for students unable to cover the full tuition fees. There is no additional application.

- Interested applicants should consult the ISU website for information about specific scholarship opportunities and criteria for eligibility.
- After each rolling deadline, completed applications will be assessed and financial aid awarded. Candidates will be notified of aid awards within six weeks after each deadline. Aid is granted on the basis of:
  - academic and professional merit
  - demonstrated financial need
  - personal efforts to raise sufficient funds
- The earlier that candidates apply, the greater their chances of obtaining aid.
- Scholarships and financial aid are offered only through the ISU Admissions Office. Candidates should not approach ISU sponsoring organizations to directly solicit funding.



### • Core Lecturer Series (4 weeks)

- Provides students with an introduction to the fundamentals of all disciplines relevant to space programs

### • Team Projects (5 weeks)

- Challenge a team of forty students to cooperatively produce the conceptual design of an international space project
- Encourage real problem-solving in an international, intercultural context

### • Workshops

- Facilitate interaction among students through the exchange of knowledge and ideas, as well as through engagement in hands-on activities

### • Departmental Activities

- Enable more in-depth, focused debate and discussion, as well as additional hands-on activities

### • Individual or Team Assignments

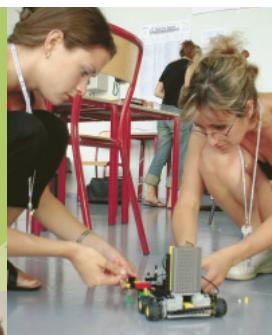
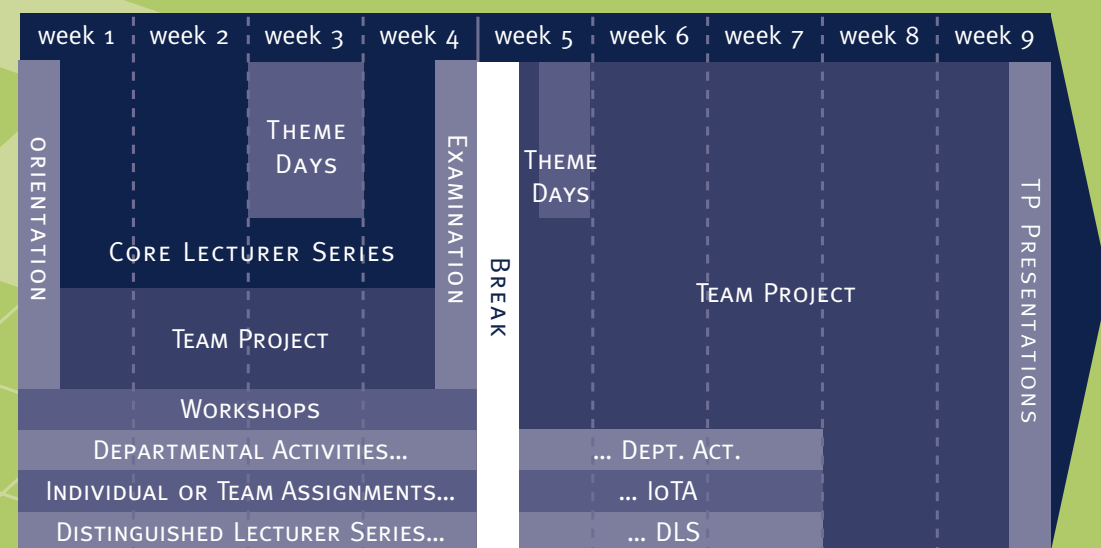
- Provide an opportunity to exercise independent or small-group work skills — within a department — on an oral presentation or paper

### • Theme Days

- Enable students to attend in small groups, topics prepared with inter-departmental expertise
- Demonstrate group work achieved through an interdisciplinary approach

### • Distinguished Lecturer Series

- Invites international experts to speak on contemporary space sector issues (presented on occasion, in panel format)



### ROLLING DEADLINE

- For self-financed candidates or those financed by their employer:

**30 April**

- For candidates seeking financial aid through ISU

**15 December**

**31 January**

### PROGRAM FEES

**• SSP: 16,000 EUR**

(Full board and lodging included)

There is a 3,500 Euro reduction in program fees for successful SSP students who enroll directly in an ISU Masters program. The combined cost of the SSP and Masters program — normally 35,500 Euro — is reduced to 32,000 Euro for such students. Please note that full board and lodging is only for the SSP and is not included in the fee for the Masters program.

[www.isunet.edu](http://www.isunet.edu)

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