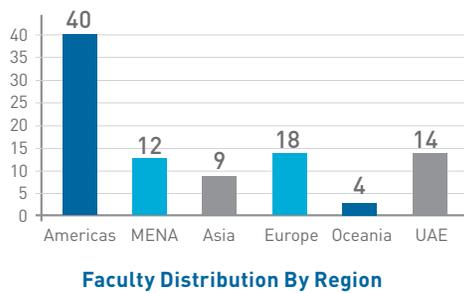## ABOUT MASDAR INSTITUTE

The Masdar Institute of Science and Technology is the world's first graduate-level university dedicated to providing real-world solutions to issues of clean energy and sustainability.

Developed in Abu Dhabi with the support of the Massachusetts Institute of Technology (MIT), Masdar Institute provides world-class graduate research and education that attracts leaders and critical thinkers in science and technology with a particular focus on advanced energy and sustainable technology.

DEPARTMENTS & PROGRAMS

Nine MSc degrees and an interdisciplinary PhD based on the US graduate model are currently on offer. A MSc concentration in space systems and technology has also recently been launched. Graduate programs are housed in four departments:

Electrical Engineering and Computer Science

MSc in Computing and Information Science
MSc in Electrical Power Engineering
MSc in Microsystems Engineering

Chemical and Environmental Engineering

MSc in Water and Environmental Engineering
MSc in Chemical Engineering

Mechanical and Materials Engineering

MSc in Materials Science and Engineering
MSc in Mechanical Engineering

Engineering Systems and Management

MSc in Engineering Systems and Management
MSc in Sustainable Critical Infrastructure

PhD in Interdisciplinary Engineering

iCENTERS

Masdar Institute has four core research centers (iCenters) that serve to drive the development of new technologies and human capital in key sectors – water, environment, smart and sustainable systems, microsystems, and energy. A fifth iCenter – iInnovation – works across all Masdar Institute research centers to ensure that the promising ideas they produce are given the best opportunity for commercialization.

iInnovation Institute Center for Innovation
iSmart Institute Center for Smart Systems
iEnergy Institute Center for Energy
iMicro Institute Center for Microsystems
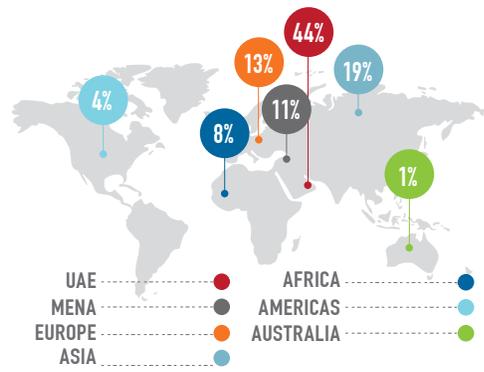**iWater** Institute Center for Water

FACULTY

Representing over 30 countries, our faculty members have received their PhDs from the world's leading universities including Harvard University, MIT, Stanford University, University of California – Berkeley, University of Michigan, Purdue University, University of Pittsburgh, University of Cambridge (UK), etc.

Americas	MENA	Asia	Europe	Oceania	UAE
40	12	9	18	4	14

Faculty Distribution By Region

STUDENTS

Masdar Institute students are selected from among the best and brightest minds in the UAE and the world. As of fall 2014, our students represent over 60 nationalities, with women accounting for nearly 44% of the overall student body.

UAE ⋯ 44%
MENA
EUROPE
ASIA
AFRICA
AMERICAS
AUSTRALIA

Geographic Distribution of Students, fall 2014

ADMISSION CRITERIA

- A relevant Bachelor's/Master's degree in science or engineering from a recognized and accredited university
- A minimum CGPA of 3.0 (on a 4.0 point scale) or equivalent for Master's applicants and CGPA of 3.2 or equivalent for PhD applicants
- Competitive GRE score
- Minimum TOEFL score of 91 (IBT) or an academic IELTS score of 6.5
- 3 recommendation letters
- Statement of objectives
- Research proposal (for PhD applicants)

SCHOLARSHIPS

All qualified students admitted at Masdar Institute are provided a full scholarship including 100% tuition coverage, GRE/TOEFL test reimbursement, all textbooks, housing, health insurance, monthly stipend, and annual return tickets home, if applicable.

Apart from the Masdar Institute full scholarship, five additional scholarships are currently on offer for eligible applicants:

- IRENA Scholarship
- Toyota Scholarship
- ICT Fund Scholarship
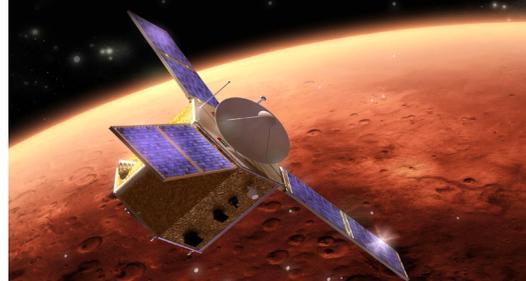- BP Innovation Scholarship
- Siemens Scholarship

INDUSTRY COLLABORATION

Industry is an important player in the UAE's innovation ecosystem. That is why Masdar Institute proudly collaborates with local and international organizations. Its research collaborations promote the development of innovations of direct relevance to local needs while providing Masdar Institute's researchers with access to funding and real-world case studies.

- Over US$40 million committed by industry and government for research.
- Over 40 local and international organizations currently engaged in sponsored research.

Learning to Change the World

In collaboration with
Massachusetts Institute of Technology

Masdar INSTITUTE

MIT PARTNERSHIP

Masdar Institute has collaborated with the Massachusetts Institute of Technology (MIT) from its earliest stage and continues to do so through joint research, curricula development, grants and more. The joint research collaborations between Masdar Institute and MIT faculty address shared energy and sustainability issues and seek to develop innovative local R&D capabilities.

MASDAR INSTITUTE CAMPUS

Located in the heart of Masdar City in Abu Dhabi, the Masdar Institute campus provides a new benchmark as a model for sustainable urban development. The notable features of the campus include:

- Wind Tower
- Laboratories
- Electron Microscopy Facility
- Cleanroom Facility
- Knowledge Center
- Personal Rapid Transit (PRT) system

WHY MASDAR INSTITUTE?

- Cutting-edge research focused on advanced energy and sustainable technology.
- Close ongoing collaboration with MIT
- High-quality graduate programs tailored to industry needs in the UAE and worldwide
- Sustainable campus with state-of-the-art facilities and equipment
- Strong partnerships with industry and academia in the region and globally
- Full scholarships including a competitive stipend
- International faculty with PhDs from the world's top universities
- Multicultural environment with students from more than 60 countries

Find out more at: www.masdar.ac.ae
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