

M1-M2 Large Scale Accelerators and Lasers *Erasmus Mundus*

The LASCALA master is a **two-year international master's programme**, created by **4 leading European universities** : Paris Saclay University (France), Sapienza University of Rome (Italy), University of Szeged (Hungary), Lund University (Sweden).

It aims at training experts in the most advanced experimental and theoretical tools and concepts in accelerators physics, high power lasers, laser plasma interaction at high intensity, as well as in their applications related to new sources of energy, health, and security diagnostics.



PROGRAM

Semester 1	Semester 2	Semester 3	Semester 4
Paris-Saclay	Lund	Paris Saclay	Research Internship and Master's Thesis
Fundamentals and methods	Atomic physics	Laser/Plasma	
	Intense lasers	Accelerators	
	Neutron source	Tokamaks	
	La Sapienza	Szeged	
	Accelerators	Atto- and femtosecond physics	
	Particle physics		
	Summer School		
	Science management		

BEST FEATURES

- Mobility experience in up to 4 European universities
- Double or multiple diploma
- Summer school in science management and business
- Large network of large scale facilities and companies
- 6-month research internship

ADMISSION CRITERIA

- A Bachelor degree (180 ECTS or equivalent) in Physics and related topics
- English skills (TOEFL, IELTS or other proof)
- Application : www.master-lascala.eu
- Scholarships deadline : February of each year
- Self-financed students : June of each year

PARTNERS

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