

BME PARIS

BioMedical Engineering

MASTER'S PROGRAM

PROGRAM CHAIRS

Pr Sophie Bernard (Université de Paris)
 Pr André Klarsfeld (ESPCI Paris – Paris Sciences et Lettres)
 Pr Sébastien Laporte (Arts et Métiers Institute of Technology)

1st SEMESTER

Integration week

Scientific Thinking Module

- Molecular & cellular biology for engineers
- Chemistry for engineers
- Medicine & Science

- BioMedical Modeling
- Computer Programming
- Applied Mathematics for biological systems
- Physics for Bioluminescence
- Biomechanics
- Anatomy & physiology for engineers

2nd SEMESTER

- Ethics and Patents
- Scientific Writing

- Internship(s), for a total of 4 months
- BioTech FabLab project

3rd AND 4th SEMESTERS

INTERDISCIPLINARY SEMINAR including ALL M2 students

BIN BIOENGINEERING AND INNOVATION IN NEUROSCIENCE

BIM BIOIMAGING

Bio MAT BIOMATERIALS AND BIODEVICES

Bio MECH BIOMECHANICS
 • engineering science subtrack
 • health science subtrack

MCB MOLECULAR AND CELLULAR BIOTHERAPIES

5- TO 6-MONTH INTERNSHIP FROM ≈ JANUARY TO JUNE

CONDITIONS OF ADMISSION

Online application and interview (www.bme-paris.com)

POSITIONS AVAILABLE

40 in M1 and 25 per track in M2 (except for BioMECH = 40)

STUDENTS' BACKGROUNDS

30% of engineers
 50% of undergraduate and master's students
 20% health professionals

EVALUATION

3rd semester: different evaluation methods depending on the course throughout the semester

January: written exams, projects and literature review/article presentations

4th semester: internship and written report

June: oral defence

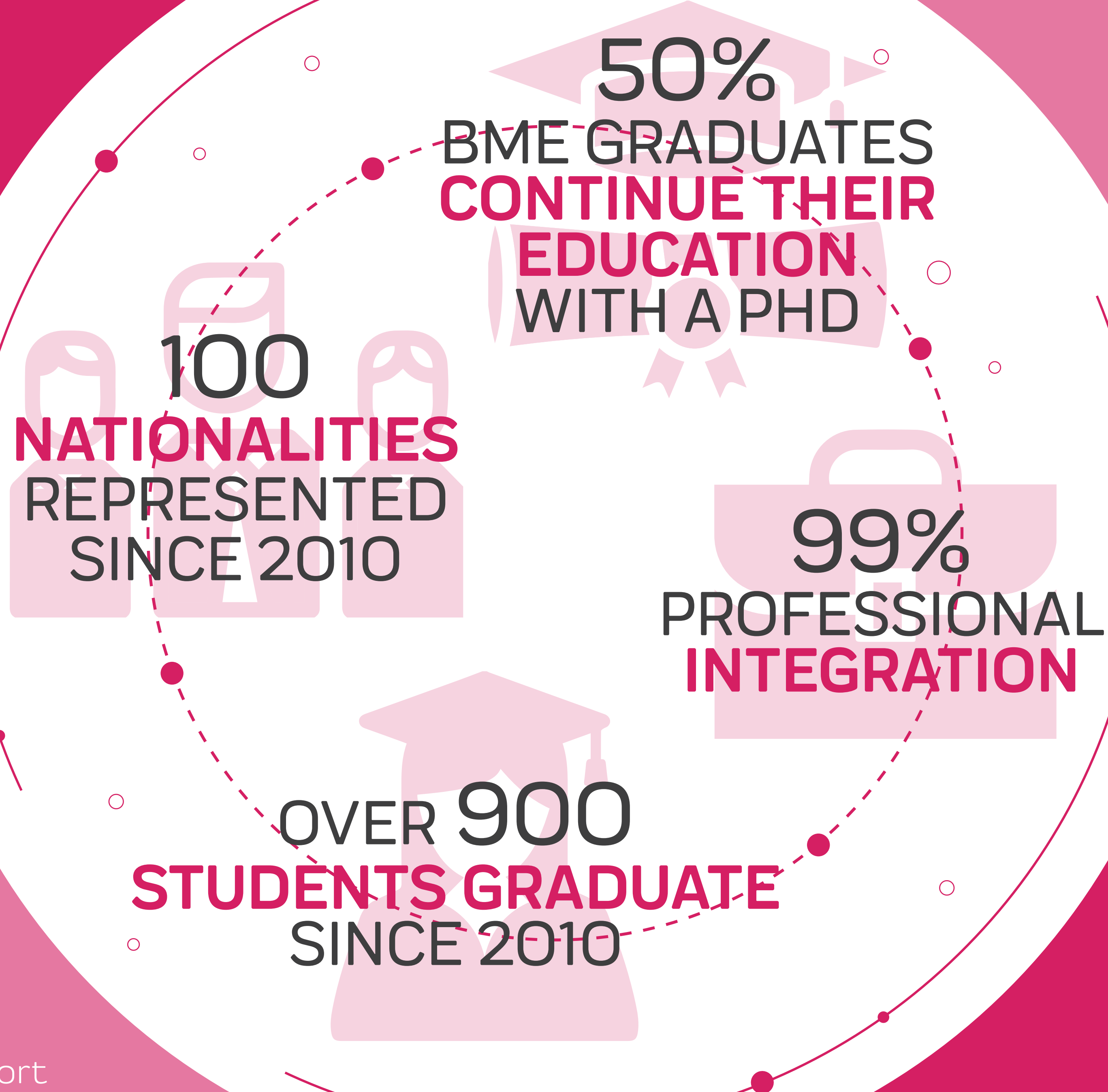
STRUCTURE OF THE M2 (COURSES AND INTERNSHIP)

September-January: 30 ECTS

February-June: 5- to 6-month internship in an academic, industrial or clinical lab

CHOICE OF THE HOSTING INSTITUTION FOR THE MANDATORY INTERNSHIPS

List of labs provided but possibility of applications in other labs with prior agreement of the Chairs



contact@bme-paris.com