Career Opportunities

Employment opportunities for graduates in Mechanical Engineering involve a wide range of fields, including manufacturing, mechatronic, transportation (automotive, naval, aeronautical and railroad), conventional and renewable energy conversion systems, biomechanics and many others. In these fields mechanical engineers are responsible for design, testing, management and research.
The training that is provided to mechanical engineers opens many kinds of career opportunities including hiring in governmental agencies and research activities in both national and international universities and research institutions.

Our Commitment to Research and Innovation

Our continuous commitment to scientific research allowed us to establish partnerships with many world-famous organizations, institutions, research centers, and companies, active in cutting-edge sectors of technology.. Many of these partnerships became an additional resource for the students themselves, providing them with opportunities for theses, internships, prizes and professional job opportunities.

For more information about our curriculum and pre-enrolment:

For general informations, tuition fees, and much more:

http://en.uniroma1.it/study-us/degrees-english

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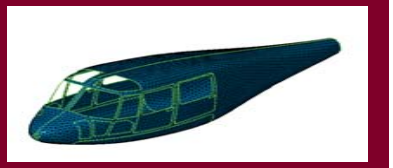




Academic Council of Mechanical Engineering

1435 Students
141 graduates/year [Bachelor Degree]
132 graduates/year [Master of Science Degree]

President: **Prof. F. Rispoli**
Secretary: **Prof. S. Natali**
For the Educational Commission: **Prof.ssa F. Campana**
For the Quality Assurance: **Prof. G. Di Gravio**
For the Didactic Advisory Committee:**Prof.ssa A. Fregolent**
Vocational Guidance: **Prof.ssa A. Gisario**
internationalization Delegate: **Prof. E. Sciubba**
Erasmus Delegate: **Prof. Z. Del Prete**

SAPIENZA
UNIVERSITÀ DI ROMA

Master of Science Degree in Mechanical Engineering

A.A. 2018 - 2019

Master of Science Degree in Mechanical Engineering at Sapienza

The MSc Degree in Mechanical Engineering is offered by the School of Mechanical Engineering. Our School preserves and advances knowledge in the fields of mechanical engineering and shares this knowledge with students, providing them with background knowledge and technical skills, teaching them how to approach new scientific challenges with innovation-oriented thinking.
The School of Mechanical Engineering is part of Sapienza, one of the most prestigious European universities. Presently the School has more than 70 teachers, including full and associate professors and researchers. The School is attended by more than 1300 students and yearly more than 250 freshmen are enrolled, with a continuously increasing growth rate.

Training

The Mechanical Engineering School has an English-Taught curriculum in MECHANICAL ENGINEERING DESIGN. It is a Master of Science degree with a duration of 2 academic years for a total of 120 ECTS. It consists of mandatory courses (84 ECTS), elective courses (12 ECTS), workshops or outside training (6 ECTS) and a thesis project (18 ECTS).
Other curricula are available, but lectures are given in Italian and require students from abroad to get an Italian language certification.

Specific Training Objectives

The School of Mechanical Engineering offers training to professionals with advanced university education in planning, designing, and managing complex activities associated with the development of scientific and technological research and the promotion of research in a broad technical field of science.
The educational goals are pursued by strengthening mathematical skills and advanced physical understanding, in order to tackle complex mechanical problems ranging from the design of systems and machines (conceptual and detailed design), of processes, the development of technologies, systems, manufacturing processes as well as production and management, organization and safety of the associated industrial and technological innovation.

List of Courses of Mechanical Engineering Design 2018/19:

Mandatory courses	ECTS	semester	year
Additive Manufacturing and Production Systems	9	3	2
Advanced Methods in Mechanical Design	6	4	2
Fluid Machinery in Energy Conversion Systems	9	1	1
Measurements for Mechanical Systems and Industry	9	2	1
Operations Management	6	4	2
2 Optional courses (15 ECTS) chosen from the list below	**ECTS**	**semester**	**year**
Advanced Energy Conversion Systems	9	3	2
Computational Thermo-Fluids Analysis in Fluid Machinery	6	3	2
Dynamics of Micromechanical systems	6	3	2
Mechanics of Robot Manipulators	6	2	1
Mechanical Vibrations	9	2	1
Safety and Maintenance for Industrial Systems	9	2	1
Thermo-Economics and sustainability	6	4	2
Vehicles System Dynamics	6	4	2
2 Optional courses (15 ECTS) chosen from the list below	**ECTS**	**semester**	**year**
Applied Metallurgy	6	3	2
Control Systems	9	1	1
Dynamics of Electrical Machines and Drives	6	3	2
Economics of Technology and Management	9	2	1
Operation Research	6	1	1
Turbulence and Combustion	9	3	2

Sapienza Corse - Formula SAE Racing Team

"Gajarda" is a racing car designed, build, and driven by a team of students from Sapienza (www.sapienzacorse.it), that competes in interuniversity (national and international) championship of Formula SAE.
Related activities, covering all phases of design, construction and operation of the car are performed by students in the Laboratories of the Department of Mechanical and Aerospace Engineering. These activities are awarded with 6 ECTS and entails also thesis projects for students of the MSc Course in Mechanical Engineering.

Working for Sapienza Corse is just one example of the many lab activities that can be chosen either to get 6 ECTS for applied workshop training or for the final thesis project required to students of the MSc Course in Mechanical Engineering.

SAPIENZA CORSE
FORMULA SAE RACING TEAM