



UNIVERSITA'
CAMPUS
BIO - MEDICO
DI ROMA

SEGRETERIA
STUDENTI

ENGINEERING DEPARTMENT

Cert. N. 201013219/M299

Matr. N. INLP01/02076

This is to certify that **SPINA GABRIELE**, born in Palermo (Italy) on October 22nd 1986, was awarded the Laurea in Biomedical Engineering ("*Laurea in Ingegneria Biomedica*") - Class of Degree Programmes in Industrial Engineering 10 – by the "Campus Bio-Medico" University of Rome on December 15th 2008. He obtained a final mark of 110 out of 110.

The duration of the course is three years.

He achieved the following grades (all marks are out of 30, passing grade 18/30, CL = cum laude):

Date	SSD*	Course	Credits	Grade	Type of activity**
13/01/2006	ING-INF/05	Computer Science Fundamentals	10	28	A
30/01/2006	MAT/03	Geometry	5	24	A
22/05/2006	L-LIN/12	English	3	Pass	E
22/06/2006	FIS/01	Physics I	10	26	A
05/07/2006	SECS-P/08	Economics and Management	5	26	C
19/07/2006	M-FIL/03	Anthropology and Epistemology	2	30	F
21/07/2006	MAT/05	Mathematical Analysis	10	24	A
13/09/2006	CHIM/07	Chemistry	10	30	A
24/01/2007	MAT/05	Mathematical Methods for Engineering	10	28	A
30/01/2007	FIS/01	Physics II	5	29	A
12/06/2007	ING-IND/24	Transport Phenomena	5	21	B
14/06/2007	ING-INF/06	Health Information Systems	5	27	B
03/07/2007	ING-IND/31	Electrical Engineering	8	28	B
05/07/2007	M-FIL/03	General Ethics	2	21	F
17/07/2007	ICAR/08	Solid Mechanics	5	28	G
17/09/2007	BIO/16, BIO/09	Principles of Anatomy and Physiology	10	30	C
18/09/2007	ING-IND/34	Biomaterials	5	28	B
21/01/2008	ING-INF/01	Electronics	8	30	C
04/02/2008	ING-IND/12, ING-IND/13	Mechanics applied to Machines and Machines	5	24	B
21/02/2008	MED/43	Applied Ethics	2	28	F
28/02/2008	ING-IND/34	Hospital Plants (electrical and heating)	10	30	B
06/06/2008	ING-IND/34	Measurements for Clinical Diagnostics	5	30	B
12/06/2008	ING-INF/04	Fundamentals of Automation	5	28	B
24/06/2008	FIS/01	Electromagnetism	5	30 L	D
16/07/2008	ING-INF/06	Digital Processing of Biomedical Signals	8	29	D
19/09/2008	ING-IND/34	Biomedical Instrumentation	8	28	B
03/12/2008	ING-IND/34	Biomedical Engineering Laboratories	9	Pass	B
03/12/2008	ING-INF/06				
03/12/2008	PROFIN_S	Final Examination	6	Pass	E

Total credits : 181





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*SSD Scientific sector:

BIO/09 Physiology, BIO/16 Human Anatomy, CHIM/07 Foundations of Chemistry for Technologies, FIS/01 Experimental Physics, ICAR/08 Construction Science, ING-IND/12 Mechanical and Thermal Measuring Systems, ING-IND/13 Applied Mechanics for Machinery, ING-IND/24 Principles of Chemical Engineering, ING-IND/31 Electrotechnics, ING-IND/34 Industrial Bioengineering, ING-INF/01 Electronics, ING-INF/04 Automatics, ING-INF/05 Data Processing Systems, ING-INF/06 Electronic and Information Bioengineering, L-LIN/12 English Language and Translation, MAT/03 Geometry, MAT/05 Mathematical Analysis, MED/43 Legal Medicine, M-FIL/03 Moral Philosophy, SECS-P/08 Corporate Finance

**A= Basic, B=Characteristic, C=Related or Additional, D=Elective, E=Final examination or language, F=Other

Further Information

Degree

first cycle university degree, characterised by both theoretical and applied studies
workload 180 ECTS credits

Overall classification

110/ 110 obtained on 15/12/2008

Performance in the final examination is graded on a scale from 1 to 110, with 66 and 110 as minimum and maximum grade respectively. A 'cum laude' can be added to the maximum grade as a special distinction.

Access requirements

Italian school leaving qualification or a comparable foreign one

Admission to the degree course is subject to the passing of an entrance examination. Each year the university sets a quota for the number of students who can be admitted to the degree course.

Access to further study

Provides access to second cycle postgraduate studies.

Professional status

There's a State exam to obtain the Engineering Licence section B (Junior Engineer) - industrial area. Biomedical Engineers (Junior) are employed in:

- the biomedical and pharmaceutical industry: manufacturers and suppliers of systems, equipment and materials used in diagnosis, treatment and rehabilitation;
- hospitals and health care facilities: for all activities related to maintenance, safety and technical/commercial aspects of the health care system;
- companies that oversee and monitor medical equipment and systems.





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The student was enrolled as follows:

Faculty of Engineering/Degree course in Biomedical Engineering

<i>A. Y</i>	<i>Year of study</i>
2005/2006	1 st year
2006/2007	2 nd year
2007/2008	3 rd year

The present certificate is issued on tax-exempt paper, as indicated in D.P.R. 16/10/1972 N. 642 All. B

Rome, 06/07/2011

Head of Student Services
Registrar

Mrs. Enrica Amadio