



Faculty of Engineering and Architecture

Web site: <http://facolta.unica.it/ingegneriarchitettura/?lang=en>

Academic Year 2014/2015

1. Degree Programmes A.Y. 2014/15

In academic year 2014/15 the Faculty of Engineering and Architecture offers the following degree programmes:

Bachelor's degree programmes (Italian course classification)	Web site
Biomedical Engineering (L-8 & L-9)	http://www.biomedica.unica.it/
Chemical Engineering (L-9)	http://people.unica.it/ingegneriachimica/
Civil Engineering (L-7)	http://ingegneriacivile.unica.it/
Electrical and Electronic Engineering (L-8 & L-9)	http://corsi.unica.it/ingegneriaelettricaelettronica/
Mechanical Engineering (L-9)	http://people.unica.it/meccanica/
Environmental and Land Engineering (L-7)	http://ccs-iat.unica.it/
Architectural Science (L-17)	http://corsi.unica.it/scienzedellarchitettura/
Master's degree programmes (Italian course classification)	Web site
Architecture (LM-4)	http://corsi.unica.it/architettura/
Chemical and Biotechnological Process Engineering (LM-22)	http://people.unica.it/ingprochimbiotec/
Civil Engineering (LM-23)	http://ingegneriacivile.unica.it/
Telecommunication Engineering (LM-27)	http://corsi.unica.it/ingegneriadelletelecomunicazioni/
Electrical Engineering (LM-28)	http://www.diee.unica.it/csie/index.php
Electronic Engineering (LM-29)	http://corsi.unica.it/ingegneriaelettronica/
Energetic Engineering (LM-30)	http://unica2.unica.it/energetica/beta/home.htm
Mechanical Engineering (LM-33)	http://people.unica.it/meccanica/
Environmental and Land Engineering (LM-35)	http://ccs-iat.unica.it/

The School that supplies these programmes is the Faculty of Engineering and Architecture, located in the sites of [piazza d'Armi and Castello](#) in Cagliari, except for some courses that are taught in other structures of University of Cagliari.



2. Admission

2.1 BACHELOR'S DEGREES

Bachelor's Degree Programmes have a limited enrollment with a selective entry system and it is necessary to take a test.

Minimum qualification required: Five-year high school diploma

Degree Programme (University code)	Access	Number of students admitted	
		total	Foreign students (non EU + Chinese Marco Polo programme)
Civil Engineering (70/72)	local restricted access	150	3
Environmental and Land Engineering (70/73)	local restricted access	150	3
Chemical Engineering (70/77)	local restricted access	150	10
Mechanical Engineering (70/78)	local restricted access	150	2
Biomedical Engineering (70/75)	local restricted access	150	0
Electrical and Electronic Engineering (70/87)	local restricted access	150	2
Architectural Science (80/71)	national restricted access	106	6

The admission to the chosen programme depends on the personal position in the list of candidates passing the entrance test.

More information is available (in Italian language) on the [Faculty web site](#).

All the administrative procedures to enroll are available at link [Servizi online agli studenti](#).

2.2 MASTER'S DEGREES

Master's Degree Programmes in Engineering are open access, while Master's Degree Programme in Architecture has a limited enrollment.

In any case specific curricular requirements must be satisfied and the assessment of personal proficiency and skills is required.

Minimum qualification required: First Cycle (Bachelor's) Degree

Degree Programme (University code)	Access	Number of students admitted	
		total	Foreign students (non EU + Chinese Marco Polo programm)
Architecture (80/72)	local restricted access	80	3
Chemical and Biotechnological Process Engineering (70/88)	open access	-	12
Civil Engineering (70/80)	open access	-	10
Telecommunication Engineering (70/81)	open access	-	10
Electrical Engineering (70/82)	open access	-	10
Electronic Engineering (70/83)	open access	-	10
Energetic Engineering (70/84)	open access	-	10
Mechanical Engineering (70/85)	open access	-	10
Environmental and Land Engineering (70/86)	open access	-	10

The admission to the Master's Degree of Architecture depends on the position in the list of candidates passing the entrance exam.



Procedures and deadlines are available in the call for applications on the [Faculty website](#), to be downloaded and read carefully.

The methods and schedules for assessing curricular requirements and personal proficiency and skills may vary from programme to programme. Specific information about curricular requirements, methods and dates is available in the [Faculty website](#), in the academic Regulation of the Degree Programme you are interested in.

3. Compulsory Supplementary Education (CSE) – Bachelor degrees

3.1 BACHELOR DEGREES IN ENGINEERING

A test result below the pass threshold (score $< 15/40$), for candidates in useful position in the list, causes assignment of compulsory supplementary education (CSE). These students must attend (from 15 to 30 September) intensive courses in the areas of Calculus and Geometry and algebra; they can also take advantage of the realignment courses available on the online platform of the University. The CSE can be satisfied by passing the test in a subsequent session with a score $\geq 8/20$ or by passing the exam in Mathematical Analysis 1, before taking any other exams.

3.2 BACHELOR DEGREE IN ARCHITECTURAL SCIENCE

A test result below the pass threshold (score $< 28/90$), for candidates in useful position in the list, causes assignment of compulsory supplementary education (CSE). These students must attend (from 15th to 30th September) intensive courses in the subjects that will be specified later by the Faculty; they can also take advantage of the realignment courses available on the online platform of the University. The CSE can be satisfied by passing an exam for each intensive course.

4. European language level

All students must possess the European language level indicated in the table to acquire the relative credits:

Degree Programme (University code)	EU Language	European level (CEFR)	ECTS
Civil Engineering (70/72)	English	B1	3
Environmental and Land Engineering (70/73)	English	B1	3
Chemical Engineering (70/77)	English	B1	3
Mechanical Engineering (70/78)	English	B1	3
Biomedical Engineering (70/75)	English	B1	3
Electrical and Electronic Engineering (70/87)	English	B1	3
Architectural Science (80/71)	English or other EU language	> A1	2

5. Teaching calendar and course schedule

Teaching calendar is online on Faculty web site at the menù calendar and schedule > [teaching and academic calendar](#).

First semester: 01/10/2014 – 22/12/2014;

Second semester: 02/03/2015 – 29/05/2015.

In the period from November 19th to 22nd and from April 22nd to 27th classes are suspended for intermediate tests (*except for Architecture courses*).



Course schedule is online on Faculty web site at the menù calendar and schedule > [lecture schedule](#).

6. Course attendance

The course attendance is mandatory.

7. Syllabi

Course outlines can be found on the Faculty web site at the menù education > [Course search](#).

8. Exam sessions

The exam dates are 7, distributed as:

- 3 from 7th January to 28th February 2015;
- 3 from 3rd June to 31st July 2015;
- 1 from 1st September to 30th September 2015.

All information about exam calendar and registration are online on the Faculty web site at the menù calendar and schedule > [exam calendar](#).

Exam schedule is also on Unica web at link [Servizi online agli studenti - Exams](#).

To register to an exam on-line, go to [Servizi online agli studenti](#) – Login, using your University User ID and Password.

9. Teaching courses a.y. 2014/2015

The teaching courses in academic year 2014/2015 are available in Annex A, for each degree programme.



**Annex A- Degree Programmes and teaching courses available in
A.Y. 2014/2015**

Bachelor degrees

- [Civil Engineering](#) – L-7
- [Environmental and Land Engineering](#) – L-7
- [Chemical Engineering](#) – L-9
- [Mechanical Engineering](#) – L-9
- [Biomedical Engineering](#) – L-8 & L-9
- [Electrical and Electronic Engineering](#) – L-8 & L-9
- [Architectural Science](#) – L-17

Master's degrees

- [Architecture](#) – LM-4
- [Chemical and Biotechnological Process Engineering](#) – LM-22
- [Civil Engineering](#) – LM-23
- [Telecommunication Engineering](#) – LM-27
- [Electrical Engineering](#) – LM-28
- [Electronic Engineering](#) – LM-29
- [Energetic Engineering](#) – LM-30
- [Mechanical Engineering](#) – LM-33
- [Environmental and Land Engineering](#) – LM-35

All courses are taught in Italian language

Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity



Civil Engineering (L-7)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Vigialoro Giuseppe
1	Physics 1	FIS/01	A	8	80	Concas Giorgio
	Integrated Course: Chemistry and Materials Technology and Applied Chemistry					
1	- Module: Chemistry	CHIM/07	A	6	60	Delogu Francesco
2	- Module: Materials Technology and Applied Chemistry	ING-IND/22	C	5	50	Elsener Bernhard
2	Mathematical Analysis 2	MAT/05	A	5	50	Ragnedda Francesco
2	Geometry and Algebra	MAT/03	A	7	70	Ratto Andrea
2	Physics 2	FIS/01	A	7	70	Corpino Riccardo
2	Fundamentals of Computer Science	ING-INF/05	A	6	60	Fumera Giorgio
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
	Integrated Course: Statistics and Hydrology					
1	- Module: Statistics	SECS-S/02	C	4	40	Banni Aldo
1	- Module: Hydrology	ICAR/02	B	6	60	Sechi Giovanni M.
1	Mechanics	MAT/07	A	6	60	Mignemi Salvatore
1-2	Construction Theory	ICAR/08	B	10	100	Serra Mauro
	Integrated Course: Technical Architecture and Graphics Lab					
1	- Module: Graphics Lab		F	4	40	Casu Paola
2	- Module: Technical Architecture	ICAR/10	B	6	60	Loddo Gianraffaele
	Integrated Course: Topography and Topography Laboratory					
2	- Module: Topography	ICAR/06	B	6	60	Sanna Giovanna M.
2	- Module: Topography Laboratory		F	4	40	Sanna Giovanna M.
2	Decisional Methods in Economy	MAT/09	C	5	50	Zuddas Paola



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Integrated Course: Applied Thermodynamics and Electrotechnics					
	- Module: Applied Thermodynamics	ING-IND/11	C	5	50	Baccoli Roberto
1	- Module: Electrotechnics	ING-IND/31	C	5	50	Sias Giuliana
1	Fundamentals of Transport	ICAR/05	B	6	60	Fadda Paolo
1	Hydraulics	ICAR/01	B	10	100	Querzoli Giorgio (<i>course A</i>) Balzano Andrea (<i>course B</i>)
2	Integrated Course: Geotechnics and Construction of Road, Railways and Airport					
	- Module: Geotechnics	ICAR/07	B	6	60	Soccodato Fabio
2	- Module: Construction of Road, Railways and Airport	ICAR/04	B	6	60	Maltinti Francesca
2	Theory and Technology of Structures	ICAR/09	B	10	100	De Nicolo Barbara Pani Luisa
2	Integrated Course: Water Supply and Sewerage and Water Supply and Sewerage Lab					
	- Module: Water Supply and Sewerage	ICAR/02	B	6	60	Saba Andrea
2	- Module: Water Supply and Sewerage Lab		F	4	40	Saba Andrea
Elective activities			D	12		
Final Exam			E	3		

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Mathematical Analysis 2
	Physics 1	Physics 2
2013/14	Mathematical Analysis 1	All 2nd year exams
	Geometry and Algebra	
	Physics 1	
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Environmental and Land Engineering (L-7)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Viglialoro Giuseppe
1	Chemistry	CHIM/07	A	6	60	Delogu Francesco
1	Physics 1	FIS/01	A	8	80	Concas Giorgio
2	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50	Ragnedda Francesco
2	- Module: Geometry and Algebra	MAT/03	A	7	70	Ratto Andrea
2	Physics 2	FIS/01	A	7	70	Corpino Riccardo
2	Fundamentals of Computer Science	ING-INF/05	A	6	60	Fumera Giorgio
2	Graphics Lab		F	5	50	Cicalò Enrico
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Integrated Course: Statistics and Hydrology - Module: Statistics	SECS-S/02	C	4	40	Banni Aldo
1	- Module: Hidrology	ICAR/02	B	6	60	Deidda Roberto
1	Business Economics	ING-IND/35	C	5	50	Tilocca Maria Caterina
1	Thermodynamics And Fluid Machinery	ING-IND/09	C	6	60	Cocco Daniele
1	Raw Materials Engineering	ING-IND/29	B	6	60	Serci Antonello
2	Integrated Course: Geology And Applied Geology - Module: Lithology and Geology	GEO/09	C	6	60	Naitza Stefano
2	- Module: Applied Geology	GEO/05	B	5	50	Barrocu Giovanni
2	Electrotechnics Laboratory		F	5	50	Montisci Augusto
2	Regional Planning	ICAR/20	B	6	60	Zoppi Corrado
2	Topography and Cartography	ICAR/06	B	6	60	Banni Aldo



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Transport Phenomena in Environmental Protection	ING-IND/24	B	6	60	Desogus Francesco
1	Hydraulics	ICAR/01	B	10	100	Querzoli Giorgio
1	Occupational Safety And Environmental Protection	ING-IND/28	B	6	60	Massacci Giorgio
1	Integrated Course: Science and Technology of Constructions - Module: Construction Theory	ICAR/08	B	6	60	Brun Michele
2	- Module: Theory and Technology of Structures	ICAR/09	B	5	50	Pani Luisa
2	Integrated Course: Geotechnics and Applied Seismology - Module: Geotechnics	ICAR/07	B	6	60	Tropeano Giuseppe
2	- Module: Applied Seismology	GEO/11	B	5	50	Deidda Gian Piero
2	Sanitary-Environmental Engineering	ICAR/03	B	7	70	Carucci Alessandra
Elective activities			D	14		
Final Exam			E	4		

The Study Programme includes also the following laboratories which can be chosen by students to satisfy part of the credits of own free choice:

Sem	Laboratories	CFU	Ore	Docente
1	Geology Lab	3	30	Naitza Stefano
1	Laboratory of Environmental Geophysics in Coastal Areas	3	30	Balia Roberto
1	Sanitary and Environmental Engineering Laboratory	2	25	Cappai Giovanna S.

Other optional activities can be communicated on course web site.



Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Integrated Course: Mathematics
	Physics 1	Physics 2
2013/14	Integrated Course: Mathematics Physics 1	All 2nd year exams
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Chemical Engineering (L-9)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Marras Monica
1	Chemistry	CHIM/07	A	6	60	Vacca Annalisa
1	Physics 1	FIS/01	A	8	80	Mura A. Andrea
2	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50	Grantchev Todor V.
2	- Module: Geometry and Algebra	MAT/03	A	7	70	Mei Carlo
2	Physics 2	FIS/01	A	7	70	Salis Marcello
2	Fundamentals of Computer Science	ING-INF/05	A	6	60	Marcialis Gian Luca
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Chemistry 2	CHIM/07	A	9	90	Delogu Francesco
1	Fundamentals of Machine Design	ING-IND/14	B	6	60	Aymerich Francesco
1	Applied Mathematics	MAT/08	A	6	60	Rodriguez Giuseppe
1	Chemical Thermodynamic	ING-IND/24	B	9	90	Locci Antonio M.
2	Electrotechnics	ING-IND/31	C	6	60	Usai Mariangela
2	Fundamental of Transport Phenomena	ING-IND/24	B	9	90	Cao Giacomo
2	Chemical Reaction Engineering	ING-IND/24	B	9	90	Carta Renzo M.S.
2	Applied Chemistry and Technology	ING-IND/22	B	9	90	Licheri Roberta Elsener Bernhard



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Chemical Plant Design	ING-IND/25	B	9	90	Errico Massimiliano
1	Fluid Machinery and Energy Systems	ING-IND/09	C	9	90	Cocco Daniele
1	Fluid Mechanics	ICAR/01	C	9	90	Ferrari Simone
2	Reliability and Safety in the Process Industry	ING-IND/25	B	6	60	Viola Antonio
2	Instrumentation and Control	ING-IND/26	B	9	90	Baratti Roberto
Other activities			F	6		
Elective activities			D	12		
Final Exam			E	6		

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Integrated Course: Mathematics
	Physics 1	Physics 2
2013/14	Integrated Course: Mathematics Physics 1	All 2nd year exams
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Mechanical Engineering (L-9)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Marras Monica
1	Chemistry	CHIM/07	A	6	60	Vacca Annalisa
1	Physics 1	FIS/01	A	8	80	Mura A. Andrea
2	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50	Gramtchev Todor V.
2	- Module: Geometry and Algebra	MAT/03	A	7	70	Mei Carlo
2	Physics 2	FIS/01	A	7	70	Salis Marcello
2	Fundamentals of Computer Science	ING-INF/05	A	6	60	Marcialis Gian Luca
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Fundamentals of Machine Design	ING-IND/14	B	6	60	Aymerich Francesco
1	Applied Mathematics	MAT/08	A	6	60	Rodriguez Giuseppe
1	Applied Mechanics	ING-IND/13	B	12	120	Manuello Bertetto Andrea
1-2	Manufacturing Technology	ING-IND/16	B	12	120	Dionoro Gennaro
2	Computer Aided Design		F	3	30	Ambu Rita
2	Technical Drawing	ING-IND/15	B	6	60	Ambu Rita Bertolino Filippo
2	Electrotechnics	ING-IND/31	C	6	60	Usai Mariangela
2	Integrated Course: Thermofluid Dynamics - Module: Fluid Dynamics	ING-IND/08	C	5	50	Mandas Natalino
2	- Module: Applied Thermodynamics	ING-IND/08	C	5	50	Palomba Chiara



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Fluid Machinery	ING-IND/08	B	8	80	Puddu Pierpaolo
1	Mechanical and Thermal Measurements	ING-IND/12	C	8	80	Vallascas Rinaldo
	<i>choose between:</i>					
1	Steam Generating Units	ING-IND/09	C	6	60	Floris Francesco
1	Statistics for Engineers	ING-IND/16	C	6	60	Romano Daniele
1	Integrated Course: Machine Components Design - Module: Fundamentals of Machine Design	ING-IND/14	B	6	60	Baldi Antonio
2	- Module: Machine Elements	ING-IND/14	B	6	60	Baldi Antonio
2	Mechanical Plants	ING-IND/17	B	8	80	Orrù Pier Francesco
2	Energy Systems	ING-IND/09	B	8	80	Cau Giorgio
Elective activities			D	12		
Final Exam			E	6		

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Integrated Course: Mathematics
	Physics 1	Physics 2
2013/14	Integrated Course: Mathematics Physics 1	All 2nd year exams
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Biomedical Engineering (L-8 & L-9)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Loi Roberto
1	Chemistry	CHIM/07	A	6	60	Pilia Luca
1	Physics 1	FIS/01	A	8	80	Bongiovanni Giovanni
2	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50	Iannizzotto Antonio
2	- Module: Geometry and Algebra	MAT/03	A	7	70	Matzeu Paola M.
2	Integrated Course: Information Processing Systems - Module: Fundamentals of Computer Science	ING-INF/05	A	6	60	Marchesi Michele
2	- Module: Computer Architectures	ING-INF/05	A	6	60	Roli Fabio
2	Physics 2	FIS/01	A	7	70	Mallocci Giuliano
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Integrated Course: Biochemistry and Molecular Biology - Module: Biochemistry	BIO/10	C	3	30	Manconi Barbara
1	- Module: Molecular Biology	BIO/11	C	2	20	Rosatelli Maria Cristina
1	Integrated Course: Transport Phenomena and Biomaterials - Module: Biomaterials	ING-IND/24	B	5	50	Orrù Roberto
1	- Module: Transport Phenomena in Biomedical Systems	ING-IND/24	B	5	50	Cao Giacomo
1	Integrated Course: Mechanics and Strength of Materials - Module: Fundamentals of Mechanics and Biomechanic	ING-IND/13	B	5	50	Leban Bruno
1	- Module: Strength of Materials	ING-IND/14	B	5	50	Bertolino Filippo
1	Applied Mathematics	MAT/08	A	6	60	Fermo Luisa
2	Integrated Course: Anatomy and Physiology - Module: Human Anatomy	BIO/16	C	4	40	Piras Franca
2	- Module: Fundamentals of Physiology	BIO/09	C	3	30	Tomassini Barbarossa Iole
2	Integrated Course: Fundamentals of Information Engineering - Module: Fundamentals of Systems Theory	ING-INF/04	B	5	50	Salimbeni Domenico
2	- Module: Electronical Signal Processing	ING-INF/06	B	5	50	Pani Danilo



2	Integrated Course: Electronical Signal Processing - Module: Fundamentals of Electronic Design	ING-INF/01	B	5	50	Raffo Luigi
2	- Module: Medical Instrumentation 1	ING-INF/06	B	5	50	Palumbo Francesca

Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Electric Actuators And Converters	ING-IND/32	B	5	50	Marongiu Ignazio
1	Integrated Course: Bioelectronics - Module: Devices Electronics	ING-INF/01	B	5	50	Bonfiglio Annalisa
1	- Module: Bioelectronic Interfaces	ING-INF/06	B	5	50	Bonfiglio Annalisa
1	Integrated Course: Industrial Bioengineering 1 - Module: Mechanical Bioengineering	ING-IND/14	B	5	50	Pau Massimiliano
1	- Module: Chemical Bioengineering	ING-IND/24	B	5	50	Carta Renzo M.S.
1	Integrated Course: Fundamentals of Clinic and Pathology - Module: Pathology	MED/08	C	2	20	Coni Pierpaolo
2	- Module: Internal Medicine	MED/09	C	2	20	Barcellona Doris
2	- Module: Instrumentation and Proesthetic Materials	MED/22	C	2	20	Sanfilippo Roberto
2	- Module: Radiology and Nuclear Medicine	MED/36	C	2	20	Saba Luca
2	<i>choose between:</i> Biosensors	ING-INF/06	B	5	50	Carbonaro Nicola
2	Medical Instrumentation 2	ING-INF/06	B	5	50	Pani Danilo
2	<i>One choice among:</i> Electromagnetic Compatibility	ING-INF/02	C	5	50	Fanti Alessandro
2	Fundamentals of Bioinformatics	ING-INF/05	C	5	50	Armano Giuliano
2	Fluid Dynamics	ING-IND/08	C	5	50	Mandas Natalino
2	Power and Electrical Safety in Hospital	ING-IND/33	C	5	50	Pisano Giuditta
Elective activities			D	12		
Other activities			F	4		
Final Exam			E	6		

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Integrated Course: Mathematics
	Physics 1	Physics 2
2013/14	Integrated Course: Mathematics Physics 1	All 2nd year exams
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Electrical and Electronic Engineering (L-8 & L-9)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Mathematical Analysis 1	MAT/05	A	9	90	Pennisi Sebastiano
1	Chemistry	CHIM/07	A	6	60	Palmas Simonetta
1	Physics 1	FIS/01	A	8	80	D'Amico Nicolò
2	Integrated Course: Mathematics					
	- Module: Mathematical Analysis 2	MAT/05	A	5	50	Piro Stella
	- Module: Geometry and Algebra	MAT/03	A	7	70	Mei Carlo
2	Integrated Course: Information Processing Systems					
	- Module: Fundamentals of Computer Science	ING-INF/05	A	6	60	Marchesi Michele
	- Module: Computer Architectures	ING-INF/05	A	6	60	Roli Fabio
2	Physics 2	FIS/01	A	7	70	Fiorentini Vincenzo
1-2	English Language Test		E	3		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Applied Mathematics	MAT/08	A	6	60	Rodriguez Giuseppe
1	Communication Networks	ING-INF/03	C	6	60	Perra Cristian
1	<i>Curriculum on Electrical Engineering</i> Engineering Physics	ING-IND/11	C	6	60	Baccoli Roberto
1	<i>Curriculum on Electronic Engineering</i> Signal Theory	ING-INF/03	C	6	60	Perra Cristian
1	<i>Curriculum on Computer Engineering</i> Signal Theory	ING-INF/03	C	6	60	Perra Cristian
1-2	Electrotechnics	ING-IND/31	B	12	120	Fanni Alessandra
1	Integrated Course: Analysis and Control of Dynamical Systems					
	- Module: System Theory	ING-INF/04	B	6	60	Seatzu Carla
	- Module: Automatic Control	ING-INF/04	B	6	60	Usai Elio
2	Fundamentals of Electronics	ING-INF/01	B	10	100	Martines Giovanni
2	Electrical and Electronic Measurements	ING-INF/07	B	9	90	Locci Nicolino Muscas Carlo



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Integrated Course: Power Electronics and Electrical Power Systems					
	- Module: Power Electronics	ING-IND/32	B	6	60	Gatto Gianluca
1	- Module: Fundamentals of Electric Power Systems	ING-IND/33	B	6	60	Pilo Fabrizio G.L.
	<i>Curriculum on Electrical Engineering</i>					
1	Fluid Machinery and Energy Systems	ING-IND/09	C	6	60	Cocco Daniele
1	Occupational Safety and Environmental Protection	ING-IND/28	B	6	60	Dentoni Valentina
2	Electrical Machines	ING-IND/32	B	6	60	Damiano Alfonso
2	Measurements on Power Systems	ING-INF/07	B	6	60	Locci Nicolino
2	Fundamentals of Electric Power Distribution and Smart Grids	ING-IND/33	B	6	60	Pilo Fabrizio G.L.
	<i>Curriculum on Electronic Engineering</i>					
1	Semiconductor Physics	FIS/03	C	6	60	Bernardini Fabio
1	Digital Systems Design	ING-INF/01	B	8	80	Raffo Luigi
2	Electromagnetic Fields	ING-INF/02	B	8	80	Mazzarella Giuseppe
2	Semiconductor Devices	ING-INF/01	C	6	60	Vanzi Massimo
	Other activities		F	2		
	<i>Curriculum on Computer Engineering</i>					
1	Databases	ING-INF/05	A	6	60	Giacinto Giorgio
1	Digital Systems Design	ING-INF/01	B	8	80	Raffo Luigi
2	Software Engineering	ING-INF/05	B	5	50	Marchesi Michele
2	Internet	ING-INF/03	C	6	60	Atzori Luigi
2	Object Oriented Programming Languages	ING-INF/05	B	5	50	Armano Giuliano
	Elective activities		D	12		
	Other activities		F	2		
	Final Exam		E	6		

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2014/15	Mathematical Analysis 1	Integrated Course: Mathematics
	Physics 1	Physics 2
2013/14	Integrated Course: Mathematics Physics 1	All 2nd year exams
2012/13	Mathematics 2 Physics 2	All 3rd year exams

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Architectural Science (L-17)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Architectural Drawing and Surveying 1	ICAR/17	A	6	75	Bagnolo Vincenzo
1	Integrated Course in Mathematics					
	- Module: Mathematical Analysis	MAT/05	A	5	62.5	Ragnedda Francesco
2	- Module: Geometry	MAT/03	A	5	62.5	Ratto Andrea
1-2	Materials Technology and Elements of Chemistry	ING-IND/22	C	8	100	Sanna Ulrico U.M.
1-2	History of Architecture 1	ICAR/18	A	8	100	Cadinu Marco
1	Integrated Laboratory of Design and Construction of Architecture 1					
	- Module: Architectural Design 1	ICAR/14	B	8	100	Peghin Giorgio M. (<i>corso A</i>) Cubeddu Mario (<i>corso B</i>)
2	- Module: Technological Design of Architecture 1	ICAR/10	B	5	62.5	Sanna Antonello
2	Geomaterials for Architecture	GEO/09	C	5	62.5	Grillo Silvana
2	Early Modern History	M-STO/02	C	5	62.5	Ortu Gian Giacomo
1-2	English Knowledge Test ¹		E	2		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Architectural Drawing And Surveying 2	ICAR/17	A	6	75	Pirinu Andrea
1	Environmental Technical Physics	ING-IND/11	A	8	100	Ricciu Roberto
1	Integrated Laboratory Of Design And Construction of Architecture 2					
	- Module: Architectural Design 2	ICAR/14	B	8	100	Lecis Marco (<i>corso A</i>) Cherchi Pier Francesco (<i>corso B</i>)
2	- Module: Technical Architecture	ICAR/10	B	5	62.5	Mura Emanuele
1-2	Structural Mechanics/Strength of Materials and Statics	ICAR/08	B	10	125	Cazzani Antonio M.
2	Fundamentals of Urban Planning	ICAR/20	B	5	62.5	Colavitti Anna Maria
2	History of Architecture 2	ICAR/18	A	8	100	Fonti Alessandro
	Elective activities		D	10		



Third year – enrolled student a.y. 2012/13

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Building Production Processes and Methods	ICAR/11	B	5	62.5	Argiolas Carlo
1	Theory and History of Restoration	ICAR/19	B	5	62.5	Giannattasio Caterina
1-2	Structural Design and Analysis	ICAR/09	B	9	112.5	Fenu Luigi
	Integrated Course of Urban and Regional Planning					
1	- Module A	ICAR/20	B	5	62.5	Campagna Michele
2	- Module B	ICAR/20	B	5	62.5	Colavitti Anna Maria
	Integrated Laboratory of Design and Construction of Architecture 3					
1	- Module: Architectural Design 3	ICAR/14	B	8	100	Atzeni Carlo (<i>corso A</i>) Aymerich Carlo (<i>corso B</i>)
2	- Module: Technical Architecture	ICAR/10	C	5	62.5	Atzeni Carlo (<i>corso A</i>) Loddo Gianraffaele (<i>corso B</i>)
2	Real Estate Appraisal 1	ICAR/22	B	5	62.5	Argiolas Michele
	Internships, Computer Skills, Etc.		F	3	75	
	Elective activities		D	10		
	Final Exam		E	8		

Activities rules

Academic Year Enrolment	You cannot take:	If you do not pass:
2013/14	Architectural Drawing and Surveying 2	Architectural Drawing and Surveying 1
	Structural Mechanics/Strength of Materials and Statics	Integrated Course in Mathematics
	History of Architecture 2	History of Architecture 1
2012/13	Structural Design and Analysis	Structural Mechanics/Strength of Materials
	Theory and History of Restoration	History of Architecture 2

All rules are available in the course educational regulation of the year corresponding to your first year of enrolment.



Architecture (LM-4)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Integrated Course: History of Contemporary Art and Architecture					
1	- Module: History of Contemporary Architecture	ICAR/18	B	5	62.5	Pellegrini Giorgio
1	- Module: History of Contemporary Art	L-ART/03	C	3	37.5	Pellegrini Giorgio
1	Integrated Laboratory of Survey and Restoration					
1	- Module: Survey	ICAR/17	B	5	62.5	Bagnolo Vincenzo
2	- Modulo: Restoration	ICAR/19	B	5	62.5	Giannattasio Caterina
1	Architectural and Urban Design Workshop 1					
1	- Module A	ICAR/14	B	6	75	Di Battista Nicolino (<i>corso A</i>) Cocco Giovanni B. (<i>corso B</i>)
2	- Module B	ICAR/14	B	8	100	Siddi Cesarina (<i>corso A</i>) Chiri Giovanni M. (<i>corso B</i>)
2	Multidisciplinary Workshop Building Design					
2	- Module: Building Design and Construction	ICAR/10	B	5	62.5	Sanna Antonello
2	- Module: Constructions	ICAR/09	B	5	62.5	Mistretta Fausto
2	- Module: Building Services	ING-IND/11	B	5	62.5	Mura Salvatore
2	<i>Architetcure Curriculum</i>					
2	Soil and Costruction Diagnosis	GEO/11	C	5	62.5	Ranieri Gaetano
1	<i>Restoration Curriculum</i>					
1	Social and Local History	M-STO/02	C	5	62.5	Ortu Gian Giacomo
	Elective activities ¹		D	4		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Integrated Course: Urban Planning and Social and Economic Evaluation					
1	- Module: Urbanism	ICAR/20	B	5	62.5	Abis Emanuela
1	- Module: Urban Sociology	SPS/10	B	5	62.5	Meloni Benedetto Cois Ester
1	- Module: Plan and Project Evaluation	ICAR/22	B	5	62.5	Argiolas Michele



Architecture Curriculum						
1	Urban Transportation Infrastructures	ICAR/04	C	5	62,5	Pinna Francesco
1	Architectural and Urban Design Workshop 2	ICAR/14	B	5	62,5	Siddi Cesarina (<i>corso A</i>) Cadeddu Barbara (<i>corso B</i>)
Laboratory Integrated Production and Construction						
2	-Module: Construction	ICAR/10	C	5	62,5	Quaquero Emanuela
2	-Module: Production	ICAR/11	B	5	62,5	Argiolas Carlo
Restoration Curriculum						
Integrated Course: Diagnostic Techniques and Materials for Architecture						
1	- Module: Mineralogical and Petrological Application for Architecture	GEO/09	C	3	37.5	Grillo Silvana M.
1	- Module: Physical Diagnosis of Constructions	GEO/11	C	4	50	Ranieri Gaetano
1	- Module: Materials and Techniques in Architecture and Conservation of Cultural Heritage	ING-IND/22	C	4	50	Meloni Paola
2	Restoration Laboratory	ICAR/19	B	6	75	Fiorino Donatella
Integrated Course: Architecture and Statics of Historic Buildings						
2	- Module: Architecture of Historic Buildings	ICAR/10	C	4	50	Sanjust Paolo
2	- Module: Statics of Historic Buildings	ICAR/08	C	4	50	Cazzani Antonio M.
Internship			F	5	125	
Architecture Curriculum						
Final Examination			E	20		
Restoration Curriculum						
Final Examination			E	15		



Chemical and Biotechnological Process Engineering (LM-22)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Principles of Chemical Engineering and Processes	ING-IND/24	B	9	90	Orrù Roberto
1	Chemical and Biological Reactors	ING-IND/24	B	9	90	Cincotti Alberto
2	Analysis of Chemical and Biotechnological Processes	ING-IND/26	B	9	90	Grosso Massimiliano
2	Industrial and Energetic Processes	ING-IND/27	B	9	90	Palmas Simonetta
2	Environmental Conscious Energy and Chemical Processes	ING-IND/25	B	9	90	Mascia Michele

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Process Modeling and Simulation	ING-IND/26	B	9	90	Baratti Roberto
1	Advanced Systems of Process Control	ING-IND/26	B	9	90	Tronci Stefania
2	Environmental Chemical Engineering	ING-IND/25	B	9	90	Lallai Antonio
	Other activities		F	3		
	Elective activities		D	9		
	Final Exam		E	18		

enrolled student a.y. 2014/15 e 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1-2	Courses from Table 1		C	18		



Table 1. Three courses among:

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1 anno						
1	Biochemistry (<i>borrowed from Farmacia</i>)	BIO/10	C	6		Messana Irene
1	Fundamentals of Machine Design	ING-IND/14	C	6	60	Baldi Antonio
1	Energy Systems 2	ING-IND/09	C	6	60	Cau Giorgio
2	Microbiology (<i>borrowed from Farmacia</i>)	MED/07	C	6		De Logu Alessandro
2 anno						
1	Applied Biotechnology (<i>borrowed from Chimica e Tecnologia Farmaceutiche</i>)	CHIM/08	C	6		Onnis Valentina
1	Physical Chemistry of Interphases (<i>borrowed from Scienze chimiche</i>)	CHIM/02	C	6		Monduzzi Maura
1	Project management (<i>borrowed from Economia manageriale</i>)	SECS-P/08	C	6	60	Dessi Cinzia



Civil Engineering (LM-23)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mathematical Models and Methods in Engineering	MAT/09	C	6	60	Zuddas Paola
1	Spatial Planning	ICAR/20	C	6	60	Campagna Michele
	Integrated Course: Construction Theory 2 and Testing, Monitoring and Inspection of Structures					
1	- Module: Construction Theory 2	ICAR/08	B	6	60	Mura Igino
2	- Module: Testing, Monitoring and Inspection of Structures	ICAR/09	B	6	60	De Nicolo Barbara
	<i>Alternative courses</i>					
	Integrated Course: Construction of Road, Railways and Airport 2 and Transportation Planning					
1	- Module: Construction of Road, Railways and Airport 2	ICAR/04	B	6	60	Coni Mauro
2	- Module: Transportation Planning	ICAR/05	B	6	60	Meloni Italo
	Integrated Course: Road, Airfield and Railway Pavements and Transportation Planning					
2	- Module: Road, Airfield and Railway Pavements	ICAR/04	B	6	60	Coni Mauro
2	- Module: Transportation Planning	ICAR/05	B	6	60	Meloni Italo
	Curriculum Hydraulics					
	Integrated Course: Hydraulics 2 and Maritime Hydraulics					
2	- Module: Hydraulics 2	ICAR/01	B	6	60	Badas Maria Grazia
2	- Module: Maritime Hydraulics	ICAR/01	B	6	60	Balzano Andrea
	Curriculum Structures					
2	Theory and Design of Steel Construction	ICAR/09	B	6	60	De Nicolo Barbara
2	Advanced Solid and Structural Mechanics (<i>alternative with Sismic Dynamics Of Structures – 2° year</i>)	ICAR/08	B	6	60	Brun Michele
	Curriculum Transportations					
	Integrated Course: Transport System Design and Theory and Technology Traffic Flow					
2	- Module: Transport System Design	ICAR/05	B	6	60	Fadda Paolo
2	- Module: Theory and Technology Traffic Flow	ICAR/05	B	6	60	Olivo Alessandro



Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Foundations and Earth Retaining Structure	ICAR/07	C	6	60	Soccodato Fabio M.
1	Watershed and Stream Restoration Engineering	ICAR/02	B	6	60	Montaldo Nicola
1	Integrated Course: Computational Structural Analysis and Design and Theory and Technology Of Structures 2 - Module: Computational Structural Analysis and Design	ICAR/09	B	6	60	Odoni Zaira
2	- Module: Theory and Technology of Structures 2	ICAR/09	B	6	60	Concu Giovanna
<i>Curriculum Hydraulics</i>						
1	Hydrological Models	ICAR/02	B	6	60	Deidda Roberto
2	Water Systems Planning and Management	ICAR/02	B	6	60	Sechi Giovanni M.
2	Littoral Dynamics and Coastal Structures	ICAR/02	B	6	60	Sulis Andrea
<i>Curriculum Structures</i>						
1	Theory and Design of Bridges Integrated Course: Dynamics of Structures and Strengthening and Safety of Structures	ICAR/09	B	6	60	Gamberini Giampaolo
1	- Module: Dynamics of Structures	ICAR/08	B	6	60	Porcu Maria Cristina
2	- Module: Strengthening and Safety of Structures	ICAR/08	B	6	60	Serra Mauro
2	Sismic Dynamics of Structures (<i>alternative with Advanced Solid and Structural Mechanics - 1° year</i>)	ICAR/08	B	6	60	Porcu Maria Cristina
<i>Curriculum Transportations</i>						
1	Road, Airfield and Railway Pavements	ICAR/04	B	6	60	Coni Mauro
<i>Alternative courses:</i>						
2	Air Transport	ICAR/05	B	6	60	Devoto Roberto
2	Logistic and Freight Transportation	ICAR/05	B	6	60	Devoto Roberto
<i>Alternative courses:</i>						
2	Urban and Metropolitan Transport	ICAR/05	B	6	60	Fantola Massimo
2	Rail Transport	ICAR/05	B	6	60	Olivo Alessandro
Other activities			F	4		
Elective activities			D	12		
Final Exam			E	14		



Other optional activities:

Sem	Laboratories	CFU	h	Teacher
1	Urban and Metropolitan Transport	2	30	Meloni Italo
2	Design of Coastal Structures and Shore Protection	2	30	Sulis Andrea
2	Laboratory of Integrated Design of Roads, Railways and Airports	2	30	Maltinti Francesca
2	Watershed and Stream Restoration Engineering Laboratory	2	30	Montaldo Nicola
2	Structural Reconditioning: Analysis, Diagnosis, Retrofitting	2	30	Concu Giovanna



Telecommunication Engineering (LM-27)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Integrated Course: Operating Systems and Law					
1	- Module: Operating Systems	ING-INF/05	C	7	70	Giacinto Giorgio
1	- Module: Computer Science and New Technologies: Legal Aspects	ING-INF/03	C	4	40	Farina Massimo
1	Microwave Remote Sensing	ING-INF/02	B	7	70	Mazzarella Giuseppe
1	Information Theory and Codes	ING-INF/03	B	12	120	Giusto Daniele
2	Integrated Course: Communication Systems					
2	- Module: Digital Communications	ING-INF/03	B	6	60	Murrone Maurizio
2	- Module: Mobile Communications	ING-INF/03	C	4	40	Atzori Luigi
2	Industrial Automation	ING-INF/04	C	6	60	Seatzu Carla
2	Integrated Course: Pattern Recognition and Security					
2	- Module: Pattern Recognition	ING-INF/05	C	6	60	Roli Fabio
2	- Module: Computer Security	ING-INF/05	C	4	40	Giacinto Giorgio
2	Best Practices in Research and Development Projects		F	2	20	Sanna Randaccio Luca

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Wireless Network Design	ING-INF/02	B	9	90	Casula G. Andrea
1	Occupational Safety and Environmental Protection	ING-IND/28	C	6	60	Dentoni Valentina
1	Integrated Course: Applicazioni multimediali					
1	- Module: Computer Science and New Technologies: Legal Aspects	ING-INF/03	C	4	40	Farina Massimo
2	- Module: Pattern Recognition	ING-INF/05	C	6	60	Roli Fabio
2	NGN Technologies	ING-INF/03	B	6	60	Onali Tatiana
	Other activities		F	7		
	Elective activities		D	5		
	Final Exam		E	15		



Electrical Engineering (LM-28)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Analysis and Control of MIMO Systems	ING-INF/04	C	6	60	Usai Elio
1	Applied Electromagnetism in Electrical and Energy Engineering	ING-IND/31	B	9	90	Usai Mariangela
1	Measurements for Electric Energy	ING-INF/07	B	9	90	Muscas Carlo
1	Integrated Course: Power Systems: Analysis, Dynamics and Stability - Module: Power Systems Analysis and Control	ING-IND/33	B	6	60	Celli Gianni Pilo Fabrizio G.L.
2	- Module: Power Systems Dynamics and Stability	ING-IND/33	B	6	60	Celli Gianni
2	Electrical Drives and Electromagnetic Compatibility	ING-IND/32	B	9	90	Gatto Gianluca Marongiu Ignazio
2	Safety and Project Management at Construction Sites	ING-IND/28	C	6	60	Dentoni Valentina
Elective activities			D	9		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Power Systems Generation and Economics	ING-IND/33	B	9	90	Ghiani Emilio
1	Integrated Course: Electrical Energy Management and Electrical Vehicles - Module: Electrical Energy Management	ING-IND/32	B	7	70	Damiano Alfonso
2	- Module: Electrical Vehicles	ING-IND/32	B	5	50	Marongiu Ignazio
1	Integrated Course: Circuits Design for Signal Processing - Module: Nonlinear Systems and Chaos	ING-IND/31	B	6	60	Cannas Barbara
2	- Module: Analog and Digital Filters	ING-IND/31	B	6	60	Montisci Augusto
Elective activities			D	6		
Other activities			F	6		
Final Exam			E	15		



Electronic Engineering (LM-29)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Integrated Course: Integrated Circuits					
1	- Module: Analog Integrated Circuits	ING-INF/01	B	5	50	Barbaro Massimo
1	- Module: Digital Integrated Circuits	ING-INF/01	B	5	50	Barbaro Massimo
1	Integrated Course: Optoelectronics and Reliability					
1	- Module: Optoelectronics	ING-INF/01	B	5	50	Vanzi Massimo
1	- Module: Reliability of Electron Devices	ING-INF/01	B	5	50	Mura Giovanna
2	Integrated Course: Communication Systems					
2	- Module: Digital Communications	ING-INF/03	C	6	60	Murrioni Maurizio
2	- Module: Mobile Communications	ING-INF/03	C	4	40	Atzori Luigi
2	Automata and Petri Nets	ING-INF/04	C	5	50	Giua Alessandro
2	<i>One choice among:</i>					
2	Nanoelectronics	FIS/03	C	6	60	Melis Claudio
2	Multi-Agent Control Systems	ING-INF/04	C	6	60	Usai Elio Giua Alessandro
2	Computer Security	ING-INF/05	C	6	60	Giacinto Giorgio

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Microwave Engineering	ING-INF/02	B	7	70	Montisci Giorgio
1	Embedded Systems	ING-INF/01	B	8	80	Meloni Paolo
1	Integrated Course: Fundamentals Of Computer Science 3					
1	- Module: Operating Systems	ING-INF/05	C	5	50	Giacinto Giorgio
2	- Module: Software Engineering	ING-INF/05	C	5	50	Marchesi Michele
2	Automatic Measurement Systems	ING-INF/07	B	6	60	Sulis Sara
	Elective activities		D	6		
	Other activities		F	9		
	Final Exam		E	15		



Energetic Engineering (LM-30)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Integrated Course: Energetics and Thermal Hvac Systems					
1	- Module: Thermal Hvac Systems	ING-IND/11	B	6	60	Innamorati Roberto
1	- Module: Energetics	ING-IND/11	B	6	60	Mastino Costantino C.
1	Power Systems Generation and Economics	ING-IND/33	B	9	90	Ghiani Emilio
1	Occupational Safety and Environmental Protection		F	6	60	Dentoni Valentina
2	Nuclear Reactor Physics	FIS/04	C	9	90	Cicalò Corrado Salimbeni Domenico
2	Exploration Geophysics	GEO/11	C	6	60	Deidda Gian Piero
2	Energy Systems 1	ING-IND/09	B	8	80	Cau Giorgio
	Elective activities		D	6		

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Thermal Plant Control	ING-INF/04	C	9	90	Salimbeni Domenico
1	Applied Electromagnetism in Electrical and Energy Engineering	ING-IND/31	C	6	60	Usai Mariangela
1	Integrated Course: Electrical Energy Management and Electrical Vehicles					
1	- Module: Electrical Energy Management	ING-IND/32	B	7	70	Damiano Alfonso
2	- Module: Electrical Vehicles	ING-IND/32	B	5	50	Marongiu Ignazio
2	Environmental Conscious Energy and Chemical Processes	ING-IND/25	B	9	90	Mascia Michele
2	Renewable Energy Technologies	ING-IND/08	B	6	60	Cocco Daniele
	Other activities		F	4		
	Final Exam		E	15		



Mechanical Engineering (LM-33)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Mechanical Behavior of Materials	ING-IND/14	B	12	120	Ginesu Francesco
1	Industrial Plants Design and Management	ING-IND/17	B	12	120	Pilloni Maria Teresa
1	Mechanical and Thermal Measurements 2	ING-IND/12	B	6	60	Vallascas Rinaldo
2	Dynamic of Mechanical Systems	ING-IND/13	B	10	100	Ruggiu Maurizio
2	Manufacturing Systems	ING-IND/16	B	6	60	Buonadonna Pasquale

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1	Fluid Machinery 2	ING-IND/08	B	10	100	Palomba Chiara
1	Energy Systems 2	ING-IND/09	B	10	100	Cau Giorgio Tola Vittorio
1	Other activities <i>One choice among:</i> Symulation Of Dynamical Systems With Matlab-Simulink		F	3	30	Pisano Alessandro
2	Nondestructive Testing		F	3	30	Pau Massimiliano
2	Modeling and Simulation of Energy Systems		F	3	30	Tola Vittorio
Elective activities			D	12		
Final Exam			E	15		

First year – enrolled student a.y. 2014/15 and a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1-2	Courses from Table 1		C	24	240	

Table 1. Four courses to choose among the following:

Sem	Teaching course	SSD	TAF	Credits	h	Teacher
1 year						
2	Combustion and Heat Transfer	ING-IND/09	C	6	60	Floris Francesco
2	Finite Elements Analysis	ING-IND/14	C	6	60	Bertolino Filippo
2 year						
1	Quality Management	ING-IND/16	C	6	60	Romano Daniele
1	Computational Modeling of Fluid Systems	ING-IND/08	C	6	60	Ghisu Tiziano
1	Experimentation in Fluid Machines	ING-IND/08	C	6	60	Mandas Natalino
2	Dynamics and Control of Energy Systems	ING-IND/08	C	6	60	Puddu Pierpaolo
2	Mechanics of Composite Materials	ING-IND/14	C	6	60	Aymerich Francesco
2	Renewable Energy Technologies	ING-IND/08	C	6	60	Cocco Daniele



Environmental and Land Engineering (LM-35)

First year – enrolled student a.y. 2014/15

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	Numerical Calculus and Applied Mathematics	MAT/08	C	8	80	Seatzu Sebastiano
1	Applied Geophysics	GEO/11	B	6	60	Balia Roberto
1	Environmental Geoengineering	ING-IND/28	B	6	60	Manca Pier Paolo
1	Gis and Geostatistics Lab		F	5	80	Mazzella Antonio
1	Computer Science Lab		F	5	50	Fumera Giorgio
2	Integrated Course: Remediation and Chemical-Physical Treatment of Soils - Module: Contaminated Sites Remediation	ICAR/03	B	6	60	Muntoni Aldo
2	- Module: Chemical-Physical Treatment of Soils	ING-IND/29	B	6	60	Serci Antonello
2	Hydrogeology	GEO/05	B	6	60	Uras Gabriele
2	Environmental Hydraulics	ICAR/01	B	6	60	Querzoli Giorgio
2	Impact Assessment and Environmental Rehabilitation	ING-IND/28	B	6	60	Massacci Giorgio

Second year – enrolled student a.y. 2013/14

Sem	Teaching course	SSD	TAF	Credits	H	Teacher
1	<i>One choice among:</i> Foundations and Earth Retaining Structures	ICAR/07	C	6	60	Soccodato Fabio M.
1	Recovery of Secondary Raw Materials	ING-IND/29	C	6	60	Surracco Marco
2	Water Supply and Sewerage	ICAR/02	C	6	60	Saba Andrea
2	Geochemical Characterization	GEO/09	C	6	60	Valera Paolo
2	Safety and Project Management at Construction Sites	ING-IND/28	C	6	60	Dentoni Valentina
	<i>Curriculum Environmental technologies</i>					
1	Solid Waste Management	ICAR/03	B	9	90	Muntoni Aldo
1	Wastewater Treatment Plants	ICAR/03	B	9	90	Carucci Alessandra Curreli Luciano
2	Integrated Course: Treatment of Fluids and Waste Gases - Module: Treatment of Fluids	ING-IND/29	B	6	60	Curreli Luciano
2	- Module: Treatment of Gaseous Effluents	ING-IND/25	B	6	60	Lallai Antonio



Sem	Teaching course	SSD	TAF	Credits	H	Teacher
	<i>Curriculum Geo-engineering and Land protection</i>					
	Integrated Course: Hydrogeological Protection					
1	- Module: Watershed and Stream Restoration Engineering	ICAR/02	B	6	60	Montaldo Nicola
1	- Module: Slope Instability and Hydrogeological Risk	GEO/05	B	6	60	Uras Gabriele
	Integrated Course: Rock Engineering					
1	- Module: Rock Mechanics	ING-IND/28	B	6	60	Grosso Battista
2	- Module: Excavation Engineering and Underground Works	ING-IND/28	B	6	60	Manca Pier Paolo
2	Maritime Hydraulics	ICAR/01	B	6	60	Balzano Andrea
	<i>Curriculum Regional and Urban Planning</i>					
	Integrated Course: Strategic Environmental Planning					
1	- Module: Environmental Planning	ICAR/20	B	6	60	Curreli Sebastiano
1	- Module: Strategic Planning	ICAR/20	B	6	60	Zoppi Corrado
	Integrated Course: Georesources Planning					
2	- Module: Regional Planning of Georesources	ICAR/20	B	6	60	Balletto Ginevra
2	- Module: Georesources	GEO/09	C	6	60	Mazzella Antonio
	<i>One choice among:</i>					
2	Photogrammetry	ICAR/06	B	6	60	Vacca Giuseppina
2	Transportation Planning	ICAR/05	B	6	60	Meloni Italo
	Elective activities		D	9		
	Final Exam		E	15		

The Study Programme includes also the following laboratories which can be chosen by students to satisfy part of the credits of own free choice:

Sem	Laboratory	CFU	h	Docente
1	Geology Lab	3	30	Naitza Stefano
1	Laboratory Of Environmental Geophysics In Coastal Areas	3	30	Balia Roberto
1	Sanitary And Environmental Engineering Laboratory	2	25	De Gioannis Giorgia
2	Laboratory Of Safety And Project Management At Construction Sites	3	25	Dentoni Valentina

Other optional activities can be communicated on course web site.