



Faculty of Engineering and Architecture
https://www.unica.it/unica/it/fac_ingarch.page

Academic Year 2026/2027

1. Degree Programmes A.Y. 2026/27

In academic year 2026/27 the Faculty of Engineering and Architecture offers the following degree programmes:

Bachelor's degree programmes (Italian course classification)	Web site
Architectural Science (L-17)	https://web.unica.it/unica/it/crs_80_71.page
Biomedical Engineering (L-8 & L-9)	https://web.unica.it/unica/it/crs_70_75.page
Chemical Engineering for Innovation and Process Sustainability (L-9)	https://web.unica.it/unica/it/crs_70_77.page
Civil Engineering (L-7)	https://web.unica.it/unica/it/crs_70_72.page
Electrical Energy Engineering for Sustainable Development (L-9)	https://web.unica.it/unica/it/crs_70_92.page
Electronic, Computer and Telecommunication Engineering (L-8)	https://web.unica.it/unica/it/crs_70_94.page
Environmental and Land Engineering (L-7)	https://web.unica.it/unica/it/crs_70_73.page
Mechanical and Management Engineering (L-9)	https://web.unica.it/unica/it/crs_70_78.page
Naval Architecture and Marine Engineering (L-9)	https://web.unica.it/unica/it/crs_71_01.page
Vocational Bachelor's degree programme (Italian course classification)	Web site
Techniques for Building Construction and Land Development (L-P01)	https://web.unica.it/unica/it/crs_70_93.page
Electrical and Aeronautical Industrial Technologies (L-P03)	https://web.unica.it/unica/it/crs_70_96.page



Master's degree programmes (Italian course classification)	Web site
Architecture (LM-4)	https://web.unica.it/unica/it/crs_80_72.page
Biomedical Engineering (LM-21)	https://web.unica.it/unica/it/crs_70_99.page
Chemical and Biotechnological Process Engineering (LM-22)	https://web.unica.it/unica/it/crs_70_88.page
Civil Engineering (LM-23)	https://web.unica.it/unica/it/crs_70_80.page
Computer Engineering, Cybersecurity and Artificial Intelligence (LM-32)	https://web.unica.it/unica/it/crs_70_90.page
Electrical Engineering (LM-28)	https://web.unica.it/unica/it/crs_70_82.page
Electronic Engineering (LM-29)	https://web.unica.it/unica/it/crs_70_83.page
Energy Engineering (LM-30)	https://web.unica.it/unica/it/crs_70_84.page
Environmental Engineering for Sustainable Development (LM-35)	https://web.unica.it/unica/it/crs_70_86.page
Internet Engineering (LM-27)	https://web.unica.it/unica/it/crs_70_91.page
Management Engineering (LM-31)	https://web.unica.it/unica/it/crs_71_18.page
Mechanical Engineering (LM-33)	https://web.unica.it/unica/it/crs_70_85.page

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

2. Admission

2.1 BACHELOR'S DEGREE PROGRAMME

Minimum qualification required: Five-year high school diploma

Degree Programme (University code)	Test date	Access	Students admitted	
			total	Foreign students
Architectural Science (80/74)	Test ARCHED 9 September 2026 (at University)	national restricted access	108	8
Biomedical Engineering (71/05)	TOLC-I 5 June 2026 (at University)	local restricted access	180	5
Chemical Engineering for Innovation and Process Sustainability (71/07)	29 July 2026 (at University - Olbia campus)	free access	-	15
Civil Engineering (71/02)	30-31 July 2026 (at University)	free access	-	3



Electrical Energy Engineering for Sustainable Development (71/06)	1 September 2026 (at University - Olbia campus) 2-3-4 September 2026 (at University)	free access	-	5
Electronic, Computer and Telecommunication Engineering (71/04)		free access	-	4
Environmental and Land Engineering (71/03)		free access	-	10
Mechanical and Management Engineering (71/08)		local restricted access	180	4
Naval Architecture and Marine Engineering (71/01)		local restricted access	40	4

The admission to the chosen programme, if at local restricted access, 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 <https://webstudenti.unica.it/esse3/Home.do>.

2.2 VOCATIONAL BACHELOR'S DEGREE PROGRAMME

Minimum qualification required: Five-year high school diploma

Degree Programme (University code)	Test date	Access	Students admitted	
			total	Foreign students
Techniques for Building Construction and Land Development (70/93)	TOLC-I 5 June 2026 (at University) 29 July 2026 (at University - Olbia campus) 30-31 July 2026 (at University) 1 September 2026 (at University - Olbia campus) 2-3-4 September 2026 (at University)	local restricted access	30	0
Electrical and Aeronautical Industrial Technologies (71/19)		local restricted access	15+10	0

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 <https://webstudenti.unica.it/esse3/Home.do>.

2.2 MASTER'S DEGREE PROGRAMME

Master's Degree Programmes in Engineering and in Architecture are open access.

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)	Test date/ Assessment of personal proficiency	Access	Students admitted	
			total	Foreign students
Architecture (80/75)	24 September 2026	open access	-	4
Biomedical Engineering (70/99)	15 September 2026	open access	-	15
Chemical and Biotechnological Process Engineering (71/17)	15 September 2026	open access	-	15
Civil Engineering (71/09)	14 September 2026	open access	-	10
Computer Engineering, Cybersecurity and Artificial Intelligence (71/10)	22 September 2026	open access	-	40
Electrical Engineering (71/12)	9 September 2026	open access	-	10
Electronic Engineering (71/13)	23 September 2026	open access	-	11
Energy Engineering (71/14)	23 September 2026	open access	-	15
Environmental Engineering for Sustainable Development (71/16)	17 September 2026	open access	-	20
Internet Engineering (71/11)	16 September 2026	open access	-	20
Management Engineering (71/18)	22 September 2026	open access	-	6
Mechanical Engineering (71/15)	25 September 2026	open access	-	11

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 course website from [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 < 15/50), for candidates in useful position in the list, causes assignment of compulsory supplementary education (CSE). These students must take the realignment courses available in the Faculty and on the online platform of the University. The CSE can be satisfied by passing the test in a subsequent session (score $\geq 8/20$), passing the intermediate exam in Mathematical analysis 1 or by passing the complete 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 < 20/50), for candidates in useful position in the list, causes assignment of compulsory supplementary education (CSE). These students must take the realignment courses available in the Faculty and on the online platform of the University. The CSE can be satisfied by passing the test in a subsequent session or by passing the exam in Architectural Drawing and the exam in Integrated Course in Mathematics, before taking any other exams.

3.3 VOCATIONAL BACHELOR'S DEGREES



A test result below the pass threshold (score < 9/30), for candidates in useful position in the list, causes assignment of compulsory supplementary education (CSE). These students must take the realignment courses available in the Faculty and on the online platform of the University. The CSE can be satisfied by passing the test in a subsequent session (score $\geq 8/20$) or by passing the exam in Mathematics (module of Integrated course), before taking any other exams.

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
Architectural Science (80/74)	English or other EU language*	B1	3
Biomedical Engineering (71/05)	English	B1	3
Chemical Engineering for Innovation and Process Sustainability (71/07)	English	B1	3
Civil Engineering (71/02)	English	B1	3
Electrical Energy Engineering for Sustainable Development (71/06)	English	B1	3
Electronic, Computer and Telecommunication Engineering (71/04)	English	B1	3
Environmental and Land Engineering (71/03)	English	B1	3
Mechanical and Management Engineering (71/08)	English	B1	3
Naval Architecture and Marine Engineering (71/01)	English	B2	3
Techniques for Building Construction and Land Development (70/93)	English	B1	3
Electrical and Aeronautical Industrial Technologies (71/19)	English	B1	3
Architecture (80/75)	English or other EU language*	B2	3
Biomedical Engineering (70/99)	English	B2	3
Chemical and Biotechnological Process Engineering (71/17)	English	B2	3
Civil Engineering (71/09)	English	B2	3
Electrical Engineering (71/12)	English	B2	3
Electronic Engineering (71/13)	English	B2	3
Energy Engineering (71/14)	English	B2	3
Environmental Engineering for Sustainable Development (71/16)	English	B2	3
Internet Engineering (71/11)	English	B2	3
Management Engineering (71/18)	English	B2	3
Mechanical Engineering (71/15)	English	B2	3

* French, Spanish, German language



5. Teaching calendar and course schedule

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

First semester: 28/09/2026 – 22/12/2026;

Second semester: 01/03/2027 – 04/06/2027.

Course schedule is online on Faculty web site at the menù calendars and timetable > [course timetable](#).

6. Course attendance

The course attendance is mandatory.

7. Syllabi

Course outlines can be found on the university website at the link [Course search](#).

8. Exam sessions

The exam dates are 7, distributed as:

- 3 from 7th January to 26th February 2027;
- 3 from 7th June to 30th July 2027;
- 1 from 1st September to 24th September 2027.

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

Exam schedule is also on Unica website at link [Bacheca Appelli](#).

To register to an exam on-line, go to [Esse3 \(Studenti e docenti\)](#) – Login, using your University User ID and Password.

9. Teaching courses a.y. 2026/2027

The teaching courses in academic year 2026/2027 are available in Annex A, for each degree programme.



Annex A- Degree Programmes and teaching courses available in A.Y. 2026/2027

Bachelor degrees

<u>Civil Engineering</u>	–	L-7
<u>Environmental and Land Engineering</u>	–	L-7
<u>Electronic, Computer and Telecommunication Engineering</u>	–	L-8
<u>Chemical Engineering for innovation and process sustainability</u>	–	L-9
<u>Electrical Energy Engineering for Sustainable Development</u>	–	L-9
<u>Mechanical and Management Engineering</u>	–	L-9
<u>Naval Architecture and Marine Engineering</u>	–	L-9
<u>Biomedical Engineering</u>	–	L-8 & L-9
<u>Architectural Science</u>	–	L-17

Vocational Bachelor's degrees

<u>Techniques for Building Construction and Land Development</u>	–	L-P01
<u>Industrial Technologies for Energy and Digital Transition</u>	–	L-P03
<u>Electrical and Aeronautical Industrial Technologies</u>	–	L-P03

Master's degrees

<u>Architecture</u>	–	LM-4
<u>Biomedical Engineering</u>	–	LM-21
<u>Chemical and Biotechnological Process Engineering</u>	–	LM-22
<u>Civil Engineering</u>	–	LM-23
<u>Internet Engineering</u>	–	LM-27
<u>Electrical Engineering</u>	–	LM-28
<u>Electronic Engineering</u>	–	LM-29
<u>Energy Engineering</u>	–	LM-30
<u>Management Engineering</u>	–	LM-31
<u>Computer Engineering, Cybersecurity and Artificial Intelligence</u>	–	LM-32
<u>Mechanical Engineering</u>	–	LM-33
<u>Environmental Engineering for Sustainable Development</u>	–	LM-35

Most courses are taught in Italian language, only the courses with the English flag are taught in English language.

Only the master's degree programme in Computer Engineering, Cybersecurity and Artificial Intelligence is completely taught in English language.

Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity



Civil Engineering (L-7)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Viglialoro Giuseppe
1	IN/0082	Technical Architecture	CEAR-08/A	B	5	50	Desogus Giuseppe
1	IA/0220	Fundamentals of Computer Science	IINF-05/A	A	6	60	Fumera Giorgio
1	IN/0191	Integrated Course: Chemistry and Materials Technology and Applied Chemistry					
1	70/0001-M	- Module: Chemistry	CHEM-06/A	A	6	60	Serpe Angela
2	70/0085-M	- Module: Materials Technology and Applied Chemistry	IMAT-01/A	C	4	40	Pia Giorgio
2	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Fiorentini Vincenzo
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	Ratto Andrea
2	IN/0083	Graphics Lab	CEAR-10/A	F	5	50	Pirinu Andrea

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Duzgun Fatma G.
1	70/0005-M	Physics 2	FIS/01	A	7	70	Corpino Riccardo
1	70/0073-M	Mechanics	MAT/07	A	6	60	Rosati Giacomo
1	IA/0172	Occupational Health and Safety	ING-IND/28	C	6	60	Dentoni Valentina
2	70/0056-M	Fundamentals of Transport	ICAR/05	B	6	60	Serra Patrizia
2	70/0059-M	Hydraulics	ICAR/01	B	10	100	Balzano Andrea
2	70/0080-M	Structural Mechanics/Strength of Materials	ICAR/08	B	10	100	Cazzani Antonio M.

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0048	Hydrology and Statistics	ICAR/02	B	8	80	Deidda Roberto
	70/0090-M	Integrated Course: Water Supply and Sewerage and Water Supply and Sewerage Lab					
1	70/0090-M1	- Module: Water Supply and Sewerage	ICAR/02	B	6	60	Viola Francesco
1	70/0090-M2	- Module: Water Supply and Sewerage Lab	ICAR/02	F	4	40	Viola Francesco
	IN/0090	Integrated Course: Applied Thermodynamics and Electrotechnics					
1	IN/0091	- Module: Applied Thermodynamics	ING-IND/11	C	5	50	Baccoli Roberto
2	IN/0092	- Module: Electrotechnics	ING-IND/31	C	4	40	Sias Giuliana



1-2	70/0084-M	Theory and Technology of Structures	ICAR/09	B	10	100	Sassu Mauro Puppio Mario Lucio
2	IN/0093	Integrated Course: Geotechnics and Construction of Road, Railways and Airport					
2	IN/0095	- Module: Construction of Road, Railways and Airport	ICAR/04	B	6	60	Maltinti Francesca
2	IN/0094	- Module: Geotechnics	ICAR/07	B	6	60	Soccodato Fabio M.
2	IN/0087	Integrated Course: Topography and Topography Laboratory					
2	IN/0088	- Module: Topography	ICAR/06	B	6	60	Vacca Giuseppina
2	IN/0089	- Module: Topography Laboratory	ICAR/06	F	4	40	<i>to be defined</i>

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 2 Physics 2	All 3rd year exams
	Mechanics Construction Theory	Theory and Technology of Structures
	Mechanics Construction Theory	Integrated Course: Geotechnics and Construction of Road, Railways and Airport

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. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Viglialoro Giuseppe
1	70/0001-M	Chemistry	CHEM-06/A	A	6	60	Serpe Angela
1	IA/0220	Fundamentals of Computer Science	IINF-05/A	A	6	60	Fumera Giorgio
1	IA/0187	Engineering for Sustainable Development		F	1	25	Vacca Giuseppina (coordinator)
2	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Fiorentini Vincenzo
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	Ratto Andrea
2	IN/0098	Lithology and Geology	GEOS-01/D	C	6	60	Valera Paolo
2	70/0064-M	Graphics Lab	CEAR-10/A	F	5	50	Pirinu Andrea

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Duzgun Fatma G.
1	70/0005-M	Physics 2	FIS/01	A	7	70	Corpino Riccardo
1	AR/0009	Environmental Technical Physics	ING-IND/11	C	6	60	Frattolillo Andrea
1	IN/0101	Integrated Course: Science and Technology of Constructions					
1	IN/0102	- Module: Construction Theory	ICAR/08	B	8	80	Porcu Maria Cristina
2	IN/0103	- Module: Theory and Technology of Structures	ICAR/09	B	8	80	Zucca Marco Sassu Mauro
2	70/0054-M	Transport Phenomena in Environmental Protection	ING-IND/24	C	6	60	Cao Giacomo
2	70/0059-M	Hydraulics	ICAR/01	B	10	100	Balzano Andrea
2	70/0065-M	Electrotechnics Laboratory	ING-IND/31	F	6	60	Montisci Augusto



Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0097	Applied Geology	GEO/05	B	6	60	Carletti Alberto
1	IA/0048	Hydrology and Statistics	ICAR/02	B	8	80	Deidda Roberto
1	IA/0172	Occupational Health and Safety	ING-IND/28	B	6	60	Dentoni Valentina
1	70/0089-M	Topography and Cartography	ICAR/06	B	6	60	Vacca Giuseppina
2	IA/0078	Environmental Pollution and Remediation Processes	ICAR/03	B	8	80	Carucci Alessandra Farru Gianluigi
2	IA/0194	Sustainable Spatial Planning	ICAR/20	B	8	80	Zoppi Corrado Leone Federica
	IN/0099	Integrated Course: Geotechnics and Applied Seismology					
2	IN/0094	- Module: Geotechnics	ICAR/07	B	6	60	Tropeano Giuseppe
2	IN/0100	- Module: Applied Seismology	GEO/11	B	6	60	Deidda Gian Piero

Laboratories that can be chosen by students to satisfy part of the credits of own free choice

Sem	Code course	Laboratories	SSD	ECTS	H	Teacher
2	IN/0220	Sanitary and Environmental Engineering Laboratory	ICAR/03	2	25	Cappai Giovanna S.
2	IA/0170	Environmental Geophysics Lab	GEO/11	3	30	Deidda Gian Piero
2	IA/0001	Workshop of Regional Planning	ICAR/20	3	45	Lai Sabrina Zoppi Corrado

Other optional activities can be communicated on course web site.

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 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.



Electronic, Computer and Telecommunication Engineering (L-8)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Loi Roberto
1	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Saba Michele
1	IN/0155	Integrated Course: Information Processing Systems					
1	IA/0274	- Module: Programming Fundamentals	IINF-05/A	A	6	60	Fraschini Matteo
2	IN/0157	- Module: Computer Architectures	IINF-05/A	A	6	60	Marcialis Gian Luca Roli Fabio
2	70/0001-M	Chemistry	CHEM-06/A	C	6	60	Casula M. Francesca
2	70/0005-M	Physics 2	PHYS-03/A	A	6	60	Oldeman Rudolf G.C.
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	<i>to be defined</i>
2	IN/0005	Communication Networks	IINF-03/A	B	6	60	Martalò Marco

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Piro Stella
1	70/0069-M	Applied Mathematics	MAT/08	C	6	60	Rodriguez Giuseppe
1	70/0078-M	Digital Systems Design	ING-INF/01	B	12	120	Raffo Luigi
	70/0019-M	Integrated Course: Analysis and Control of Dynamical Systems					
1	IN/0019	- Module: System Theory	ING-INF/04	B	6	60	Seatzu Carla
2	IN/0020	- Module: Automatic Control Systems	ING-INF/04	B	6	60	Usai Elio
2	IA/0275	Circuit Theory	ING-IND/31	C	8	80	Pisano Fabio
	IA/0280	Integrated Course: Signal Measurement, Coding and Transmission					
2	IA/0281	- Module: Measurement Systems for Information Engineering	ING-INF/07	B	6	60	Pegoraro Paolo A.
2	IA/0282	- Module: Telecommunication Systems	ING-INF/03	B	6	60	Giusto Daniele
2	IA/0283	Advanced Programming	ING-INF/05	B	6	60	Didaci Luca



Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
Curriculum on Electronic Engineering							
1	IN/0030	Semiconductor Devices	ING-INF/01	B	8	80	Cosseddu Piero
1	IA/0139	Microcontroller-Based Systems	ING-INF/01	B	6	60	Meloni Paolo
1	IA/0284	Integrated Course: Electromagnetics	ING-INF/02	B	6	60	Mazzarella Giuseppe Curreli Nicola
1	IA/0285	- Module: Radio Link Technology					
2	70/0016-M	- Module: Electromagnetic Fields	ING-INF/02	B	6	60	Mazzarella Giuseppe <i>to be defined</i>
2	IA/0286	Integrated Course: Electronic Systems	ING-INF/01	B	5	50	Barbaro Massimo
2	IA/0287	- Module: Applied Electronics					
2	IA/0288	- Module: Circuit Design	ING-INF/01	B	5	50	Barbaro Massimo
2	IA/0289	- Module: Lab of Electronics	ING-INF/01	F	2	20	<i>to be defined</i>
1	IN/0024	<i>One choice between:</i> Power Electronics	ING-IND/32	C	6	60	Gatto Gianluca
1	IA/0300	Measurement Systems and Virtual Instrumentation	ING-INF/07	C	6	60	Sulis Sara
2	IA/0141	Digital Control	ING-INF/04	C	6	60	Pisano Alessandro
Curriculum on Computer Engineering							
	IA/0290	Integrated Course: Operating Systems and Database	ING-INF/05	B	5	50	Giacinto Giorgio
1	IN/0108	- Module: Operating Systems					
1	IA/0291	- Module: Lab of Operating Systems					
1	IN/0031	- Module: Databases	ING-INF/05	F	2	20	Regano Leonardo
1	IN/0031	- Module: Databases	ING-INF/05	B	6	60	Giacinto Giorgio
1	IA/0304	Radio Link Technology	ING-INF/02	B	6	60	Mazzarella Giuseppe Curreli Nicola
1	IN/0033	Internet	ING-INF/03	B	6	60	Atzori Luigi
2	IA/0292	Integrated Course: Object-Oriented and Web Programming	ING-INF/05	B	7	70	Pintor Maura
2	IA/0293	- Module: Web Programming					
2	IN/0028	- Module: Object Oriented Programming Languages	ING-INF/05	B	6	60	Demontis Ambra
1	IA/0300	<i>One choice between:</i> Measurement Systems and Virtual Instrumentation	ING-INF/07	C	6	60	Sulis Sara
2	IA/0141	Digital Control	ING-INF/04	C	6	60	Pisano Alessandro
2	IA/0302	Smart Grid	ING-IND/33	C	6	60	Mocci Susanna
Curriculum on Internet							
1	IN/0033	Internet	ING-INF/03	B	6	60	Atzori Luigi



	IA/0294	Integrated Course: Digital Media and Mobile Networks					
1	IA/0126	- Module: Digital Media	ING-INF/03	B	6	60	Floris Alessandro
1	IA/0295	- Module: Lab of Digital Media	ING-INF/03	F	2	20	<i>to be defined</i>
2	IA/0296	- Module: XG Mobile Networks	ING-INF/03	B	6	60	Murroni Maurizio
	IA/0297	Integrated Course: Electromagnetics for Telecommunication					
1	IA/0303	- Module: Radio Link Technology	ING-INF/02	B	6	60	Mazzarella Giuseppe Curreli Nicola
2	IA/0298	- Module: Electromagnetics and Antenna Technologies	ING-INF/02	B	6	60	Mazzarella Giuseppe <i>to be defined</i>
2	IA/0299	Cloud networking	ING-INF/03	B	6	60	Pilloni Virginia
		<i>One choice between:</i>					
1	IA/0300	Measurement Systems and Virtual Instrumentation	ING-INF/07	C	6	60	Sulis Sara
2	IA/0141	Digital Control	ING-INF/04	C	6	60	Pisano Alessandro
2	IA/0302	Smart Grid	ING-IND/33	C	6	60	Mocci Susanna

Electives activities

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
Curriculum on Electronic Engineering and Curriculum on Internet							
1	IA/0471	Databases	ING-INF/05	D	6	60	Giacinto Giorgio
	IA/0465	Integrated Course: Operating Systems and Lab					
1	IA/0466	- Module: Operating Systems	ING-INF/05	D	5	50	Giacinto Giorgio
1	IA/0467	- Module: Lab of Operating Systems	ING-INF/05	D	2	20	<i>to be defined</i>
2	IA/0472	Object Oriented Programming Languages	ING-INF/05	D	6	60	Demontis Ambra
2	IA/0473	Web Programming	ING-INF/05	D	7	70	Pintor Maura
Curriculum on Electronic Engineering and Curriculum on Computer Engineering							
	IA/0468	Integrated Course: Digital Media and Lab					
1	IA/0469	- Module: Digital media	ING-INF/03	D	6	60	Floris Alessandro
1	IA/0470	- Module: Lab of Digital Media	ING-INF/03	D	2	20	<i>to be defined</i>
2	IA/0296	xG Mobile Networks	ING-INF/03	D	6	60	Murroni Maurizio
Curriculum on Computer Engineering and Curriculum on Internet							
	IA/0461	Integrated Course: Applied Electronics and Lab					
2	IA/0462	- Module: Applied Electronics	ING-INF/01	D	5	50	Barbaro Massimo
2	IA/0463	- Module: Lab of Electronics	ING-INF/01	D	2	20	<i>to be defined</i>
2	IA/0464	Circuit Design	ING-INF/01	D	5	50	Barbaro Massimo
Curriculum on Computer Engineering							
2	IA/0538	Electromagnetic Fields	ING-INF/02	B	6	60	Mazzarella Giuseppe <i>to be defined</i>



Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2026/27	Physics 1	Physics 2
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 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 for Innovation and Process Sustainability (L-9)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Viglialoro Giuseppe
1	IA/0171	Chemistry 1	CHEM-06/A	A	9	90	Pilia Luca
2	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Fiorentini Vincenzo
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	Ratto Andrea
2	70/0017-M	Chemistry 2	CHEM-06/A	A	6	60	Delogu Francesco
Curriculum Renewable resources							
1	IA/0051	Chemistry Laboratory	CHEM-06/A	F	3	30	Vacca Annalisa
2	IA/0336	Elements of Chemical Engineering of Renewable Sources	ICHI-01/B	F	3	30	Desogus Francesco
Curriculum Materials							
1	IA/0337	Introduction to Materials Science	IMAT-01/A	F	3	30	Meloni Paola
2	IA/0338	Laboratory of Materials Science	IMAT-01/A	F	3	30	Meloni Paola
Curriculum Food Engineering							
1	IA/0051	Chemistry Laboratory	CHEM-06/A	F	3	30	Vacca Annalisa
2	IA/0339	Elements of Food Engineering	ICHI-01/B	F	3	30	Desogus Francesco

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Duzgun Fatma G.
1	70/0005-M	Physics 2	FIS/01	A	7	70	Corpino Riccardo
1	IA/0334	Integrated Course: Numerical Analysis and Applications to Chemical Engineering					
1	70/0069-M	- Module: Applied Mathematics	MAT/08	A	6	60	Fermo Luisa
2	IA/0335	- Module: Process Engineering Calculations	ING-IND/26	B	6	60	Leonzio Grazia
2	IA/0348	Transport Phenomena	ING-IND/24	B	6	60	Locci Antonio M.
2	70/0063-M	Chemical Reaction Engineering	ING-IND/24	B	6	60	Cao Giacomo
2	IA/0347	Thermodynamics	ING-IND/24	B	9	90	Locci Antonio M.
Curriculum Renewable resources and Curriculum Food Engineering							
1	70/0072-M	Fluid Mechanics	ICAR/01	C	9	90	Ferrari Simone
Curriculum Materials							
1	IA/0340	Basic Solid Mechanics	ICAR/08	C	6	60	Morini Lorenzo



Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/0053-M	Electrotechnics	ING-IND/31	B	6	60	Cannas Barbara
1	70/0060-N	Chemical Plant Design	ING-IND/25	B	9	90	Errico Massimiliano
2	IA/0342	Automatic Control in Process Industries	ING-IND/26	B	9	90	Baratti Roberto
2	IA/0341	Economic and Management Sustainability	ING-IND/35	B	6	60	Morea Donato
Curriculum Renewable resources							
1	IA/0343	Materials Science Fundamentals	ING-IND/22	B	6	60	Licheri Roberta
1	IA/0227	Sustainable Energy Technologies and Systems	ING-IND/09	C	9	90	Cocco Daniele
2	IA/0344	Renewable Resource Production Processes	ING-IND/27	B	9	90	Vacca Annalisa
Curriculum Materials							
1	IA/0345	Metalic Materials Engineering	ING-IND/22	B	9	90	Pia Giorgio <i>to be defined</i>
	IA/0349	Integrated Course: Materials Design and Development					
1	IA/0350	- Module: Materials Science Fundamentals	ING-IND/22	B	6	60	Licheri Roberta
2	IA/0351	- Module: Applied Technologies	ING-IND/22	C	6	60	Licheri Roberta Meloni Paola
2	IA/0346	Polymers Science	CHIM/04	C	6	60	Chiappone Annalisa
Curriculum Food Engineering							
	IA/0352	Integrated Course: Food Chemistry and Engineering					
1	IA/0353	- Module: Food Engineering	ING-IND/24	B	6	60	Desogus Francesco
1	IA/0354	- Module: Food Chemistry	CHIM/10	C	6	48	Caboni Pier Luigi
2	IA/0074	Industrial Systems Design	ING-IND/17	B	6	60	Orrù Pier Francesco
	IA/0355	Integrated Course: Microbiology and Hygiene					
2	IA/0356	- Module: Microbiology	BIO/19	C	4	40	Esposito Francesca
2	IA/0357	- Module: Methods of Food Hygiene	MED/42	C	2	24	Pisano Maria Barbara



Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2025/26	Mathematical Analysis 1 Chemistry 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 2 Chemistry 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 Energy Engineering for Sustainable Development (L-9)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Iannizzotto Antonio
1	70/0001-M	Chemistry	CHEM-06/A	A	6	60	Serpe Angela
1	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Burderi Luciano Sanna Andrea
1	IA/0221	Integrated course: System for digital sustainability	CEAR-12/A	C	50	5	Balletto Ginevra
	IA/0539	- Module: Sustainable Regional and Urban Planning					
2	IN/0005	- Module: Communication Networks	IINF-03/A	C	6	60	Martalò Marco
2	70/0005-M	Physics 2	PHYS-03/A	A	7	70	Filippetti Alessio
2	IA/0220	Fundamentals of Computer Science	IINF-05/A	A	6	60	Didaci Luca
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	Zuddas Fabio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Frassu Silvia
1-2	IA/0223	Fundamentals on automatic control	ING-INF/04	B	9	90	Usai Elio Franceschelli Mauro
1	IA/0225	Integrated course: Fundamentals of Energy Sustainability	ING-IND/11	B	6	60	Baccoli Roberto
	IN/0091	- Module: Applied Thermodynamics					
2	IA/0226	- Module: Principles of Sustainable Mobility	ICAR/05	C	5	50	Serra Patrizia
2	IA/0540	Integrated course: Electrotechnics	ING-IND/31	B	5	50	Sias Giuliana
	IA/0541	Module: Applied Electromagnetism					
2	IA/0275	Module: Circuit Theory	ING-IND/31	B	8	80	Fanni Alessandra
2	IA/0224	Measurements and Instrumentation	ING-INF/07	B	6	60	Muscas Carlo
		<i>One choice between:</i>					
1	IA/0234	Machine learning and data mining	ING-INF/05	C	6	60	Manca Marco M.
1	IA/0139	Microcontroller-Based Systems	ING-INF/01	C	6	60	Meloni Paolo
2	IN/0225	Materials Technology	ING-IND/22	C	6	60	Pia Giorgio



	IA/0235	Integrated course: IoT Platforms					
2	IA/0236	- Module: Hardware Platforms for IoT	ING-INF/01	C	3	30	Palumbo Francesca
2	IA/0237	- Module: Data Processing and Transmission	ING-INF/03	C	3	30	Pilloni Virginia

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0024	Power Electronics	ING-IND/32	B	6	60	Gatto Gianluca
1	IN/0026	Measurements on Power Systems	ING-INF/07	B	6	60	Sulis Sara
1	IA/0227	Sustainable Energy Technologies and Systems	ING-IND/09	B	9	90	Cocco Daniele
1	IA/0232	Integrated Course: Smart Power Systems for Energy Transition					
	IN/0025	- Module: Fundamentals of Electric Power Systems	ING-IND/33	B	5	50	Pilo Fabrizio G.L. Pisano Giuditta
2	IA/0233	- Module: Smart Grid for Electric Power Distribution	ING-IND/33	B	5	50	Pilo Fabrizio G.L. Mocci Susanna
	IA/0231	Integrated Course: Conversion Devices for Sustainable Energy					
1	IN/0006	- Module: Electrical Machines	ING-IND/32	B	5	50	Damiano Alfonso
2	IN/0007	- Module: Electrical Drives	ING-IND/32	B	5	50	Serpi Alessandro
	IA/0228	Integrated Course: Sustainable Energy Development					
2	IA/0229	- Module: Energy: Markets and Regulation	ING-IND/33	B	5	50	Pilo Fabrizio G.L. Ghiani Emilio
2	IA/0230	- Module: Energy Carrier and Storage Systems	ING-IND/32	B	5	50	Damiano Alfonso

Other optional activities

Sem	Code course	Laboratories	SSD	TAF	ECTS	H	Teacher
2	IA/0542	Renewable Energy Conversion and Energy Storage Lab	ING-IND/32	F	2	20	Bossi Giuseppe
2	IA/0543	LV Electrical Installation Design Lab	ING-IND/33	F	2	20	Ruggeri Simona Ghiani Emilio
2	IA/0544	Electrical Circuits Hardware and Software Lab	ING-IND/31	F	2	20	Montisci Augusto

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2026/27	Physics 1	Physics 2
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 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 and Management Engineering (L-9)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Cassanello Filippo M.
1	70/0001-M	Chemistry	CHEM-06/A	A	6	60	Pilia Luca
1	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Mura A. Andrea
2	70/0005-M	Physics 2	PHYS-03/A	A	7	70	Bozzi Giuseppe
2	IA/0220	Fundamentals of Computer Science	IINF-05/A	A	6	60	Didaci Luca
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	<i>to be defined</i>
2	IN/0225	Materials Technology	IMAT-01/A	C	6	60	Pia Giorgio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Marras Monica
1	70/0050-M	Technical Drawing	ING-IND/15	B	9	90	Ambu Rita
	IN/0090	Integrated course: Applied Thermodynamics and Electrotechnics					
1	IN/0091	- Module: Applied Thermodynamics	ING-IND/11	C	6	60	Baccoli Roberto
1	70/0053-M	- Module: Electrotechnics	ING-IND/31	C	6	60	Cannas Barbara
2	70/0086-M	Manufacturing Technology	ING-IND/16	B	9	90	Carta Mauro El Mehtedi Mohamad

Curriculum Mechanical Engineering

2	70/0072-M	Fluid Mechanics	ICAR/01	C	6	60	Querzoli Giorgio
2	IN/0102	Construction Theory	ICAR/08	C	9	90	Carta Giorgio

Curriculum Management Engineering

	IA/0328	Integrated course: Essentials of Economics and Business Economics					
2	IA/0329	- Module: Essentials of Economics	SECS-P/06	C	3	30	Caria Andrea
2	IA/0330	- Module: Essentials of Business Economics	SECS-P/07	C	3	30	Aresu Simone
2	IA/0324	Principles of Mechanical Design	ING-IND/14	C	9	90	Loi Gabriela Aymerich Francesco



Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/0070-M	Applied Mechanics	ING-IND/13	B	9	90	Ruggiu Maurizio
2	IN/0234	Industrial Plants	ING-IND/17	B	9	90	Pilloni M. Teresa
2	IA/0007	Measurements in Fluid Machines	ING-IND/08	B	6	60	Cambuli Francesco
Curriculum Mechanical Engineering							
1	70/0066-M	Fluid Machinery	ING-IND/08	B	9	90	Puddu Pierpaolo
1	IN/0104	Integrated Course: Machine Components Design	ING-IND/14	B	6	60	Leban Bruno
	IN/0105	- Module: Fundamentals of Machine Design					
2	IN/0106	- Module: Machine Elements	ING-IND/14	B	6	60	Baldi Antonio
2	70/0082-M	Energy Systems	ING-IND/09	B	9	90	Tola Vittorio
Curriculum Management Engineering							
1	IA/0227	Sustainable Energy Technologies and Systems	ING-IND/09	B	9	90	Cocco Daniele
1	IA/0331	Integrated Course: Production and Logistics Management	ING-IND/16	B	6	60	El Mehtedi Mohamad
	IA/0332	- Module: Production Planning and Control					
2	IA/0333	- Module: Supply Chain Management	ING-IND/17	B	6	60	Arena Simone
2	IA/0325	Sustainability of Industrial Investment Projects	ING-IND/35	B	9	90	Morea Donato

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2026/27	Physics 1	Physics 2
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
2024/25	Mathematical Analysis 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.



Naval Architecture and Marine Engineering (L-9)

OLBIA

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Columbu Alessandro
1	70/0001-M	Chemistry	CHEM-06/A	A	6	60	Delogu Francesco
1	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Bodrenko Igor
2	70/0005-M	Physics 2	PHYS-03/A	A	7	70	Corpino Riccardo
2	IA/0220	Fundamentals of Computer Science	IINF-05/A	A	6	60	<i>to be defined</i>
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	<i>to be defined</i>
2	IN/0225	Materials Technology	IMAT-01/A	C	6	60	Pia Giorgio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Columbu Alessandro
1	70/0050-M	Technical Drawing	ING-IND/15	B	9	90	Bertolini Michele D.N.
1	IN/0091	Applied Thermodynamics	ING-IND/11	C	9	90	Possidente Raffaello
2	70/0072-M	Fluid Mechanics	ICAR/01	C	9	90	<i>to be defined</i>
2	IA/0447	Production Technologies and Management	ING-IND/16	B	9	90	El Mehtedi Mohamad
2	70/0053-M	Electrotechnics	ING-IND/31	B	6	60	Montisci Augusto
2	IA/0446	Solid and Structural Mechanics	ICAR/08	C	9	90	Brun Michele

Third year – enrolled student a.y. 2024/25

Sem	Codice Ins.	Insegnamento	SSD	TAF	CFU	Ore	Docente
1	IA/0448	Naval Architecture	ING-IND/01	B	12	120	<i>to be defined</i>
1	IA/0449	Naval Systems	ING-IND/17	B	6	60	Orrù Pier Francesco
1	IA/0450	Integrated Course: Turbomachinery and Energy Systems					
	70/0066-M	- Module: Fluid Machinery	ING-IND/08	B	6	60	Ghisu Tiziano
2	70/0082-M	- Module: Energy Systems	ING-IND/09	B	6	60	<i>to be defined</i>
2	IA/0452	Ship Structures and Construction	ING-IND/02	B	12	120	<i>to be defined</i>



		<i>choose between:</i>					
2	70/0070-M	Applied Mechanics	ING-IND/13	C	6	60	Rea Pierluigi
	IA/0453	Integrated course: Naval Electric Power and Propulsion Systems					
2	IA/0454	- Module: Naval Electric Power Systems	ING-IND/33	C	3	30	Ruggeri Simona
2	IA/0455	- Module: Electric Propulsion	ING-IND/32	C	3	30	Serpi Alessandro
2	IA/0456	Composite Materials	ING/IND/14	C	6	60	<i>to be defined</i>
2	IA/0457	Maritime Law	IUS/06	C	6	60	Piras Massimiliano Deiana Massimo

Other optional activities

Sem	Code course	Laboratories	SSD	TAF	ECTS	H	Teacher
1	IA/0460	Project Management	ING-IND/35	F	3	30	Morea Donato
1	IA/0459	Logistics and Maritime Transport Laboratory	ICAR/05	F	3	45	Fancello Gianfranco
1	IA/0648	Naval Energy Technologies	IIND-06/B	F	3	30	Tola Vittorio
2	IA/0458	Naval Communications Laboratory	ING-INF/03	F	3	30	Murroni Maurizio

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2026/27	Physics 1	Physics 2
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd 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. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0186	Mathematical Analysis 1	MATH-03/A	A	9	90	Iannizzotto Antonio
1	70/0001-M	Chemistry	CHEM-06/A	A	6	60	Serpe Angela
1	70/0004-M	Physics 1	PHYS-03/A	A	8	80	Sanna Andrea Buderì Luciano
1	IN/0155	Integrated Course: Information Processing Systems					
	IN/0156	- Module: Fundamentals of Computer Science	IINF-05/A	A	6	60	Marcialis Gian Luca
2	IN/0157	- Module: Computer Architectures	IINF-05/A	A	6	60	Fraschini Matteo
2	70/0005-M	Physics 2	PHYS-03/A	A	7	70	Filippetti Alessio
2	IN/0079	Geometry and Algebra	MATH-02/B	A	7	70	Zuddas Fabio
	IA/0065	Integrated Course: Human Body Biology					
2	IN/0038	- Module: Human Anatomy	BIOS-12/A	C	4	40	Isola Michela
2	IN/0012	- Module: Biochemistry	BIOS-07/A	C	2	20	<i>to be defined</i>
2	IN/0039	- Module: Fundamentals of Physiology	BIOS-06/A	C	3	30	Melis Melania

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0188	Mathematical Analysis 2	MAT/05	A	8	80	Frassu Silvia
	IN/0236	Integrated Course: Fundamentals of Mechanics and Biomaterials					
1	IN/0165	- Module: Fundamentals of Mechanics and Biomechanics	ING-IND/14	B	5	50	Leban Bruno
1	IN/0237	- Module: Biomaterials	ING-IND/24	B	5	50	Orrù Roberto
1	70/0069-M	Applied Mathematics	MAT/08	A	6	60	Fermo Luisa
	IA/0067	Integrated Course: Biochemical Engineering					
1	IA/0068	- Module: Fundamentals of Biochemical Engineering	ING-IND/24	B	5	50	Lai Nicola
2	IA/0069	- Module: Applications of Biochemical Engineering	ING-IND/24	B	5	50	Cincotti Alberto
	IN/0034	Integrated Course: Fundamentals of Information Engineering					
2	IN/0035	- Module: Fundamentals of Systems Theory	ING-INF/04	B	5	50	Giua Alessandro
2	IA/0442	- Module: Fundamentals of Biomedical Signal Analysis	ING-INF/06	B	7	70	Pani Danilo



2	IN/0215	Integrated Course: Electronic Design					
2	IN/0216	- Module: Analog Electronics	ING-INF/01	B	5	50	Barbaro Massimo
2	IN/0217	- Module: Digital Electronics	ING-INF/01	B	5	50	Palumbo Francesca
2	IA/0377	Lab of Matlab Fundamentals for Bioengineers	ING-INF/06	F	2	20	Sedda Giulia

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/0014-M	Electric Actuators and Converters	ING-IND/32	B	5	50	Gatto Gianluca
1	IN/0212	Integrated Course: Bioelectronics					
1	IN/0213	- Module: Bioelectronics Fundamentals	ING-INF/06	B	5	50	Lai Stefano
1	IN/0214	- Module: Bioelectronic Interfaces	ING-INF/06	B	5	50	Lai Stefano
1	IA/0188	Integrated Course: Mechanical Bioengineering					
1	IA/0188-1	- Module: Strength of Materials	ING-IND/14	B	5	50	Porta Micaela
1	IA/0188-2	- Module: Design of Medical Devices with Structural Functions	ING-IND/34	B	5	50	Pau Massimiliano
2	IN/0040	Integrated Course: Fundamentals of Clinic and Pathology					
2	IN/0041	- Module: Pathology	MED/08	C	2	20	Ambu Rossano
2	IN/0042	- Module: Internal Medicine	MED/09	C	2	20	Barcellona Doris
2	IN/0044	- Module: Radiology and Nuclear Medicine	MED/36	C	2	20	Saba Luca
2	IA/0148	- Module: Technologies and Instruments in Surgery	MED/18	C	2	20	Deidda Simona
2	IA/0189	<i>choose between:</i> Applied Biomechanics	ING-IND/34	B	5	50	Arippa Federico
2	IN/0218	Medical Instrumentation	ING-INF/06	B	5	50	Pani Danilo Viola Fabrizio A.
		<i>choose between:</i>					
1	IA/0191	Technologies and Numerical Techniques for Clinical Image Processing	ING-INF/02	C	5	50	Fanti Alessandro Dachena Chiara
1	IN/0049	Power and Electrical Safety in Hospital	ING-IND/33	C	5	50	Pisano Giuditta
2	IN/0048	Electromagnetic Compatibility	ING-INF/02	C	5	50	Fanti Alessandro Mazzarella Giuseppe
2	IA/0190	Data Acquisition Systems	ING-INF/07	C	5	50	Castello Paolo
2	IA/0443	Integrated Course: Biosignals and Image Processing					
2	IA/0444	- Module: Processing of Digital Images	ING-INF/05	C	3	30	Fraschini Matteo
2	IA/0536	- Module: 1-D Biosignal Processing	ING-INF/06	C	2	20	Pani Danilo

Other optional activities

Sem	Code course	Laboratories	SSD	TAF	ECTS	H	Teacher
2	IA/0537	Numerical Algorithms for Engineering	MAT/08	F	2	20	Fermo Luisa



Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2026/27	Physics 1	Physics 2
	I. C.: Human Body Biology	Chemistry
2025/26	Mathematical Analysis 1 Geometry and Algebra Physics 1	All 2nd year exams
	I. C.: Fundamentals of Mechanics and Biomaterials	Chemistry
2024/25	Mathematical Analysis 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. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0050	Architectural Drawing and Representation	CEAR-10/A	A	8	80	Bagnolo Vincenzo
1	AR/0020	Integrated Course in Mathematics					
1	AR/0022	- Module: Geometry	MATH-02/B	A	5	50	Ratto Andrea
2	AR/0021	- Module: Mathematical Analysis	MATH-03/A	A	5	50	<i>to be defined</i>
1	IA/0388	Integrated Course of Foundations of Architecture					
1	IA/0390	- Module: Elements of Architectural Design	CEAR-09/A	C	3	30	Moro Marco
1	IA/0389	- Module: History of 20th Century Architecture	CEAR-11/A	A	5	50	Schirru Marcello
2	IA/0391	- Module: Constructive and Distributive Features of Buildings	CEAR-08/A	C	3	30	Mocci Silvia Cadoni Stefano
2	IA/0392	- Module: Digital Representation Techniques for Architecture	CEAR-10/A	C	3	30	<i>to be defined</i>
1	IA/0384	Integrated Laboratory of Architectural Design 1					
1	IA/0385	- Module: Architectural and Urban Design 1	CEAR-09/A	B	10	100	Peghin Giorgio M. (course A) Cocco Giovanni B. (course B)
2	IA/0386	- Module: Architecture Technologies 1	CEAR-08/A	B	5	50	Achenza M. Maddalena (course A) Sanjust Paolo (course B)
1-2	IA/0387	History of Ancient, Medieval and Renaissance architecture	CEAR-11/A	A	8	80	Cadinu Marco
2	IA/0393	Urban and Territorial Geography	GEOG-01/B	C	4	40	Memoli Maurizio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0394	History of Architecture of the Modern Age	ICAR/18	A	5	50	Schirru Marcello
1	IA/0395	Survey and Representation of Architecture and Environment	ICAR/17	A	7	70	Pirinu Andrea
1	IA/0396	Integrated Laboratory of Architectural Design 2					
1	IA/0397	- Module: Architectural and Urban Design 2	ICAR/14	B	10	100	Lecis Marco (course A) Cherchi P. Francesco (course B)
2	IA/0398	- Module: Architecture Technologies 2	ICAR/10	B	5	50	Cadoni Stefano
1-2	AR/0008	Structural Mechanics/Strength of Materials and Statics	ICAR/08	B	11	110	Reccia Emanuele Cazzani Antonio M.



2	AR/0009	Environmental Technical Physics	ING-IND/11	A	8	80	Ricciu Roberto Frattolillo Andrea
2	80/040	Fundamentals of Urban Planning	ICAR/20	B	5	50	Colavitti Anna Maria

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0003	Geodesign	ICAR/20	B	5	50	Campagna Michele
1	80/044	Building Production Processes and Methods	ICAR/11	C	5	50	Quaquero Emanuela
1	IA/0399	Restoration Theories and Techniques	ICAR/19	B	8	80	Pintus Valentina Giannattasio Caterina
1	IA/0400	Integrated Laboratory of Architectural Design 3	ICAR/14	B	10	100	Faiferri Massimo Pusceddu Fabrizio (course A) Atzeni Carlo (course B)
2	IA/0401	- Module: Architectural and Urban Design 3					
2	IA/0402	- Module: Architecture Technologies 3	ICAR/10	B	5	50	Marras Francesco
2	IA/0532	Real Estate Appraisal and Project Evaluation	ICAR/22	B	5	50	Muroni Emanuel
2	AR/0002	Structural Design and Analysis	ICAR/09	B	6	60	Mistretta Fausto
2	IA/0161	Urban Planning	ICAR/20	B	5	50	Serra Sergio

Activities rules

Academic Year Enrolment	If you do not pass:	You cannot take:
2025/26	Architectural Drawing and Representation	Survey and Representation of Architecture and Environment
	Integrated Course in Mathematics	Structural Mechanics/Strength of Materials and Statics
	History of Ancient, Medieval and Renaissance architecture	History of Architecture of the Modern Age
2024/25	Structural Mechanics/Strength of Materials	Structural Design and Analysis
	History of Architecture 2	Theory and History of Restoration

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



Techniques for Building Construction and Land Development (L-P01)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0249	Fundamentals of Computer Science, Data Analysis and Statistics	IINF-05/A	A	6	48	Didaci Luca Fumera Giorgio
1	IA/0241	Digital Representation Techniques	CEAR-10/A	B	6	48	Pirinu Andrea
	IA/0238	Integrated course: Mathematical Methods and Physics Principles for Construction and Land Development					
1	IA/0240	- Module: Physics	PHYS-03/A	A	3	24	Concas Giorgio
1	IA/0239	- Module: Mathematics	MATH-03/A	A	3	24	Piro Stella
	IA/0253	Integrated course: Digitalization, BIM and Construction Management					
1	IA/0254	- Module: Digitalization and BIM	CEAR-08/B	B	4	32	Congiu Eleonora
1	IA/0255	- Module: Management	CEAR-03/C	B	3	24	Saiu Valeria Blecic Ivan
	IA/0245	Integrated course: Building Construction and Restoration					
1	IA/0246	- Module: Architectural Engineering	CEAR-08/A	B	5	40	Achenza M.Maddalena Desogus Giuseppe Marras Francesco
2	IA/0247	- Module: Architectural design	CEAR-09/A	B	3	24	Pusceddu Fabrizio Faiferri Massimo
2	IA/0248	- Module: Restoration	CEAR-11/B	C	3	24	Fiorino Donatella R. Pilia Elisa
	IA/0242	Integrated course: Principles of Structural Mechanics and Design					
2	IA/0243	- Module: Structural Mechanics	CEAR-06/A	B	3	24	Reccia Emanuele
2	IA/0244	- Module: Structural Design	CEAR-07/A	B	3	24	<i>to be defined</i>
	IA/0250	Integrated course: Geomatics Techniques for Construction and Land Development					
2	IA/0251	- Module: Building construction	CEAR-04/A	B	3	24	<i>to be defined</i>
2	IA/0252	- Module: Land development	CEAR-04/A	B	3	24	<i>to be defined</i>
2	IA/0256	Building Lab		F	10	120	<i>to be defined</i>



Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0257	Integrated course: Hydraulic Infrastructures					
1	IA/0259	- Module: Water Engineering	ICAR/02	B	2	16	Saba Andrea
1	IA/0258	- Module: Hydraulics	ICAR/01	B	2	16	Seoni Alessandro
	IA/0260	Integrated course: Spatial Planning and Infrastructures					
1	IA/0262	- Module: Tools for the Acquisition and Monitoring of Transport Data	ICAR/05	B	2	16	Piras Francesco
1	IA/0379	- Module: Road Construction	ICAR/04	B	2	16	Rassu Nicoletta
1	IA/0263	- Module: Digital Tools for Urban Planning	ICAR/20	B	5	40	Garau Chiara Lai Sabrina
1	IA/0265	Investigation, Diagnosis and Monitoring of Constructions Lab		F	10	120	Armas Cristiano Rombi James Valdes Monica
1	IA/0172	Occupational Health and Safety	ING-IND/28	C	6	60	Dentoni Valentina
	IA/0267	Integrated course: Spatial Planning Legislation and Valuation					
1	IA/0378	- Module: Spatial Planning Legislation	IUS/10	B	3	24	Piras Paola
1	IA/0268	- Module: Valuation	ICAR/22	B	3	24	Saiu Valeria
2	IA/0266	Management of Excavation Materials and Construction and Demolition Waste	ICAR/03	B	2	16	Muntoni Aldo
2	IA/0271	Construction Site Lab		F	10	120	Pinna Francesco <i>to be defined</i>
2	IA/0270	Spatial Planning and Infrastructures Lab		F	10	120	<i>to be defined</i>

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1-2	IA/0272	Summary Lab		F	8	96	Blecic Ivan Desogus Giuseppe Garau Chiara Lai Sabrina Pinna Francesco Pilia Elisa Pusceddu Fabrizio



Electrical and Aeronautical Industrial Technologies (L-P03)

OLBIA

available only the first year

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0249	Fundamentals of Computer Science, Data Analysis and Statistics	IINF-05/A	A	5	40	<i>to be defined</i>
	IA/0593	Integrated Course: Fundamentals of Mathematical Analysis and Physics					
1	IA/0406	- Module: Physics	PHYS-03/A	A	4	32	Ceccarelli Matteo
1	IA/0405	- Module: Mathematics	MATH-03/A	A	4	32	<i>to be defined</i>
1	IA/0631	Fundamentals of Technical Drawing and Cad	IIND-03/B	B	5	40	<i>to be defined</i>
	IA/0594	Integrated Course: Measurements & automation principles					
1	IA/0595	- Module: Measurement and Instrumentation Principles	IMIS-01/B	B	6	48	<i>to be defined</i>
2	IA/0596	- Module: Industrial Automation Principles	IINF-04/A	B	4	32	Pilloni Alessandro
2	IA/0597	Laboratory of Automation and Maintenance for Technological Systems		F	12	120	Pilloni Alessandro <i>to be defined</i>
Curriculum Industrial Electrical Technologies and Energy Conversion							
	IA/0598	Integrated Course: Electronic Circuits and Systems					
1	IA/0414	- Module: Fundamentals of Electrotechnics	IJET-01/A	B	3	24	Pisano Fabio
1	IA/0599	- Module: Fundamentals of Electronics	IINF-01/A	B	3	24	Collu Riccardo
2	IA/0632	Industrial Electrical Components and Systems	IIND-08/B	B	6	48	Celli Gianni Ghiani Emilio
2	IA/0416	Electrical and electronic devices for energy conversion	IIND-08/A	B	6	48	Gatto Gianluca
	IA/0600	Integrated Course: IOT Technologies and RF Systems					
2	IA/0601	- Module: IOT and Avionics Telecommunication Systems	IINF-03/A	C	5	40	<i>to be defined</i>
2	IA/0602	- Module: RF Technologies for Avionics and IoT Systems	IINF-02/A	C	5	40	Mazzarella Giuseppe Fanti Alessandro



Curriculum Avionics Systems Technology and Maintenance							
	IA/0598	Integrated Course: Electronic Circuits and Systems					
1	IA/0414	- Module: Fundamentals of Electrotechnics	IJET-01/A	C	3	24	Pisano Fabio
1	IA/0599	- Module: Fundamentals of Electrocnics	IINF-01/A	C	3	24	Collu Riccardo
	IA/0603	Integrated Course: Basics of Aeronautical and Mechanical Structures and Technologies					
2	IA/0604	- Module: Elements of Aircraft Mechanical Structures	IIND-03/A	B	5	40	<i>to be defined</i>
2	IA/0605	- Module: Elements of Aircraft Manufacturing Technologies	IIND-04/A	B	5	40	<i>to be defined</i>
	IA/0600	Integrated Course: IOT Technologies and RF Systems					
2	IA/0601	- Module: IOT and Avionics Telecommunication Systems	IINF-03/A	C	5	40	<i>to be defined</i>
2	IA/0602	- Module: RF Technologies for Avionics and IoT Systems	IINF-02/A	C	5	40	Mazzarella Giuseppe Fanti Alessandro



Industrial Technologies for Energy and Digital Transition (L-P03)

available only the second and the third years

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0427	Computer Integrated Manufacturing Systems Laboratory		F	12	120	Lai Remo Manca Emanuele
Electrical Curriculum							
1	IA/0428	Technologies for Static Energy Conversion and Electric Drives	ING-IND/32	B	6	48	Kumar Amit
1	IA/0429	Industrial electrical components and installations	ING-IND/33	B	6	48	Mocci Susanna
1	IA/0430	Laboratory of Static Converters for Industrial Applications		F	12	120	Brandinu Paolo Grivel Giovanni M.
2	IA/0431	Electrical and building automation design laboratory		F	12	120	<i>to be defined</i>
2	IA/0432	Laboratory of Electrical and Electronic Technologies for Industrial Applications		F	12	120	Porru Mario <i>to be defined</i>
Mechanical Curriculum							
1	IA/0434	Laboratory of heat and cooling systems		F	6	60	<i>to be defined</i>
1	IA/0433	Laboratory of fluid machinery and systems for renewable energy		F	12	120	<i>to be defined</i>
1	IA/0435	Laboratory of materials and technologies for industrial applications		F	6	60	<i>to be defined</i>
2	IA/0436	Laboratory of mechanical systems engineering		F	8	80	<i>to be defined</i>
2	IA/0437	Laboratory of mechanical systems		F	8	80	<i>to be defined</i>
2	IA/0441	Laboratory of renewable energy for civil and industrial applications		F	8	80	<i>to be defined</i>

Third year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
2	IA/0438	Professional Deontology and Safety		F	5	40	<i>to be defined</i>



Architecture (LM-4)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0567	History of Contemporary Architecture	CEAR-11/A	B	5	50	Mais Stefano
	AR/0010	Integrated Laboratory of Survey and Restoration					
1	AR/0010-1	- Module: Survey	CEAR-10/A	B	5	50	Bagnolo Vincenzo
2	AR/0010-2	- Module: Restoration	CEAR-11/B	B	5	50	Fiorino Donatella
	IA/0568	Architectural and Interior Design Laboratory					
1	IA/0569	- Module: Architectural composition	CEAR-09/A	B	6	60	Chiri Giovanni M.
1	IA/0570	- Module: Internal-space Design	CEAR-09/C	B	4	40	Chiri Giovanni M.
	IA/0080	Integrated Laboratory of Technological Design					
2	IA/0080-1	- Module: BIM	CEAR-08/B	C	3	30	Quaquero Emanuela
2	IA/0080-2	- Module: Structural design	CEAR-07/A	B	5	50	Fenu Luigi <i>to be defined</i>
2	IA/0080-3	- Module: Innovative Technologies for Architecture	CEAR-08/A	B	5	50	Atzeni Carlo
2	IA/0080-4	- Module: Building thermophysics	IIND-07/B	B	5	50	Ricciu Roberto
		<i>One choice between:</i>					
1	IA/0403	Museum Exhibit Design	CEAR-08/D	C	4	40	Sanjust Paolo
1	IA/0160	Environmental and Architectural Psychology	PSIC-03/A	C	4	40	Fornara Ferdinando
2	IA/0577	Elements of Urban Planning and Design	CEAR-12/B	C	4	40	Serra Sergio
2	IA/0081	Public Space and Mobility	CEAR-03/A	C	4	40	Pinna Francesco



Second year – enrolled student a.y. 2024/25

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
	IA/0571	Integrated Course: Urban Planning and Design, Evaluation and Social Research					
1	IA/0572	- Module: Urban Planning	ICAR/20	B	5	50	Colavitti Anna Maria
1	IA/0573	- Module: Urban Design	ICAR/14	B	5	50	Faiferri Massimo Moro Marco
1	IA/0574	- Module: Social Research	SPS/10	B	5	50	Cois Ester
1	IA/0575	- Module: Evaluation of Plans, Projects and Public Policy	ICAR/22	B	5	50	Blecic Ivan
		<i>One choice between:</i>					
1	IA/0086	Landscape Architecture	ICAR/15	C	4	40	Dessi Adriano
1	IA/0084	Sustainable Materials and Technologies for Architecture	ING-IND/22	C	4	40	Meloni Paola
2	IA/0085	Interior Design	ICAR/16	C	4	40	Chiri Giovanni M.
2	IA/0109	Safety and Project Management at Construction Sites	ING-IND/28	C	4	40	Dentoni Valentina
Curriculum Architecture, City and Landscape							
1	IA/0088	Social and Landscape Geography	M-GGR/02	C	4	40	Memoli Maurizio
		<i>choose between:</i>					
1	IA/0082	Accessibility for Public and Urban Spaces	ICAR/04	C	4	40	Pinna Francesco
1	IA/0383	Geomatics for Landscape Analysis and Representation	ICAR/06	C	4	40	Vacca Giuseppina
2	IA/0179	Architectural Design: Theory and Criticism	ICAR/14	C	3	30	Lecis Marco
	IA/0309	Integrated Laboratory of Architecture, City and Landscape Design Studio					
2	IA/0310	-Module: Architectural and Urban Design	ICAR/14	B	5	50	Peghin Giorgio M.
2	IA/0311	-Module: Landscape	ICAR/15	C	5	50	Dessi Adriano
2	IA/0089	History of City and Landscape Development	ICAR/18	C	4	40	Cadinu Marco
Curriculum Historical Architecture and Design							
1	IA/0312	Integrated Course: Architectural Heritage and Public Space					
1	IA/0314	- Module: Restoration	ICAR/19	C	2	20	Giannattasio Caterina
1	IA/0313	- Module: History of Architecture	ICAR/18	C	2	20	Schirru Marcello



2	IA/0524	<i>choose between:</i> Design and Recovery of Consolidated Settlements	ICAR/12	C	4	40	Mocci Silvia
2	IA/0098	Recovery of Modern Architecture	ICAR/10	C	4	40	Sanjust Paolo
1	IA/0100	<i>Choose between:</i> Restoration Site	ICAR/19	C	4	40	Pilia Elisa Fiorino Donatella
1	IA/0101	Protection of Historical Landscapes	ICAR/19	C	4	40	Pintus Valentina
2	IA/0096	Structural Analysis of Historical Architectures	ICAR/08	C	3	30	Reccia Emanuele
2	IA/0094	Integrated Laboratory of Architecture and Restoration Design Studio					
2	IA/0305	- Module: Architectural and Urban Design	ICAR/14	B	5	50	Cocco G. Battista
2	IA/0306	- Module: Restoration	ICAR/19	B	5	50	Giannattasio Caterina
Curriculum Architecture, Building and Sustainability							
1	IA/0105	Structural Architecture	ICAR/09	C	4	40	Fenu Luigi
1	IA/0103	<i>Choose between:</i> Earthen Architecture. Building Cultures and Sustainable Development	ICAR/10	C	4	40	Achenza M. Maddalena
1	IA/0525	Integrated Course: Project Design, Self-Construction and (Re)Generation					
1	IA/0526	- Module: Building design	ICAR/10	C	2	20	Atzeni Carlo
1	IA/0527	- Module: Evaluation and policy design	ICAR/22	C	2	20	Blecic Ivan
1	IA/0106	<i>One choice between:</i> Sustainable Energy in Building Systems	ING-IND/11	C	4	40	Ricciu Roberto
1	IA/0107	Climate Control Strategies within Heritage Buildings	ING-IND/11	C	4	40	Frattolillo Andrea
1	IA/0212	Urban Microclimatic Design and Natural Building Ventilation	ICAR/01	C	4	40	Ferrari Simone
2	IA/0102	Integrated Laboratory of Sustainable Architecture Design Studio					
2	IA/0307	- Module: Technical Architecture	ICAR/10	B	5	50	Achenza Maddalena
2	IA/0308	- Module: Architectural and Urban Design	ICAR/14	B	5	50	Cherchi P. Francesco
2	IA/0566	Urban and Regional Planning and Design for Sustainability	ICAR/21	C	3	30	Serra Sergio



Biomedical Engineering (LM-21)

Inter-university programme with UNIPavia and IUSS Pavia

First year – enrolled student a.y. 2026/27 (Cagliari)

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0476	Integrated Course: Digital Phenotyping					
1	IA/0475	- Module: Advanced Biomedical Signal Processing	IBIO-01/A	B	6	64	Pani Danilo
1	IA/0646	- Module: Digital Biomarkers	IBIO-01/A	B	6	55	Baldazzi Giulia
1	IA/0477	Bioengineering of the Motor System	IBIO-01/A	B	6	45	Pau Massimiliano
1	IA/0645	Integrated Course: Mathematical Methods and Advanced Biology for Bioengineering					
1	IA/0480	- Module: Statistical Methods for Bioengineering	ICHI-01/C	C	3	30	Grosso Massimiliano
1	IA/0481	- Module: Numerical Methods for Bioengineering	MATH-05/A	C	6	45	Rodriguez Giuseppe
2	IA/0502	Module: Advanced Cell Biology and Elements of Genomics	BISO-10/A	B	6	45	Vega Benedetti Ana Florenzia <i>to be defined</i>
Curriculum Information Engineering							
2	IA/0484	Electronic Systems for Precision Medicine	IINF-01/A	C	9	72	Collu Riccardo Raffo Luigi
2	IA/0485	Microwave Imaging Technologies	IINF-02/A	C	6	56	Fanti Alessandro <i>to be defined</i>
1	IA/0491/EN	One choice between: Cybersecurity 	IINF-05/A	C	6	60	Giacinto Giorgio Fumera Giorgio
2	IA/0488	Nanotechnology for Diagnostic and Therapeutic Applications	CHEM-06/A	C	6	60	Casula M. Francesca
2	IA/0489	Virtual Reality and Neurorehabilitation Models	IBIO-01/A	C	6	55	Sedda Giulia
2	IA/0490	Management of Investment Projects in the Health Sector	IEGE-01/A	C	6	45	Morea Donato
2	IA/0492	Materials and Devices for Innovative Sensors	IBIO-01/A	C	6	45	Spanu Andrea
2	IA/0493	Fabrication Technologies for Biosensing	IBIO-01/A	C	6	60	Viola Fabrizio A.
2	IA/0494	Radiofrequency Technologies for Therapeutic Treatments	IINF-02/A	C	6	60	Lodi Matteo Bruno Sorrentino Antonio



Curriculum Industrial Engineering							
2	IA/0486	Bioengineering of Tissue-Organ Systems and Artificial Organs	ICHI-01/B	C	6	60	Lai Nicola
2	IA/0487	Clinical Applications of Personalized Medicine	IBIO-01/A	B	9	68	Leban Bruno Pau Massimiliano Cocco Eleonora Marongiu Giuseppe
		<i>One choice between:</i>					
2	IA/0488	Nanotechnology for Diagnostic and Therapeutic Applications	CHEM-06/A	C	6	60	Casula M. Francesca
2	IA/0496	Power Electronics for Medical Devices	IIND-08/A	C	6	60	Gatto Gianluca Kumar Amit Bossi Giuseppe
2	IA/0497	Ergonomics for Health Care	IBIO-01/A	C	6	45	Porta Micaela
2	IA/0489	Virtual Reality and Neurorehabilitation Models	IBIO-01/A	C	6	55	Sedda Giulia
2	IA/0490	Management of Investment Projects in the Health Sector	IEGE-01/A	C	6	45	Morea Donato
	IA/0498	Integrated Course: Materials Technology and Computational Methods					
2	IA/0500	- Module: Computational Methods	CEAR-06/A	C	3	30	Morini Lorenzo
2	IA/0499	- Module: Materials Technology	IMAT-01/A	C	3	30	Licheri Roberta

Other optional activities

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0483	Ethics and Law of Digital Healthcare	GIUR-17/A	D	3	24	Farina Massimo
2	IA/0513	Radiological Integration in Healthcare Processes	MEDS-22/A	D	3	24	<i>to be defined</i>
2	IA/0647	TECHNOLOGY RISK MANAGEMENT IN HEALTHCARE FACILITIES	IIND-08/B	D	3	24	Pisano Giuditta

Second year – enrolled student a.y. 2025/26 (Pavia)

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0503	Bioinformatics and Synthetic Biology	ING-INF/06	B	9	78	Pasotti Lorenzo
1	IA/0504	Foundations of Telemedicine	ING-INF/06	B	6	62	Parimbelli Enea
1	IA/0505	Advanced Sensors for Precision Medicine	ING-INF/06	B	6	45	Bonfiglio Annalisa
2	IA/0506	Computational Learning In Biomedicine	ING-INF/06	B	9	80	Bellazzi Riccardo Ramat Stefano



Curriculum Electronic and Information Engineering							
		<i>One choice between:</i>					
1	IA/0508	Medical Decision Making and Decision Analysis	ING-INF/06	C	6	56	Quaglini Silvana
1	IA/0507	Pharmacometrics	ING-INF/06	C	6	74	Magni Paolo
2	IA/0509	Design of Telemedicine Systems	ING-INF/06	C	9	66	Lanzola Giordano
Curriculum Industrial Bioengineering							
		<i>One choice between:</i>					
1	IA/0507	Pharmacometrics	ING-INF/06	C	6	74	Magni Paolo
	IA/0510	Integrated Course: Health Technologies Management					
1	IA/0511	- Module: Health Technologies Management Mod. A	ING-IND/35	C	3	23	Gelmetti Andrea
1	IA/0512	- Module: Health Technologies Management Mod. B	ING-IND/35	C	3	23	Bocchieri Andrea

Chemical and Biotechnological Process Engineering (LM-22)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0072	Principles of Chemical Engineering and Processes	ICHI-01/B	B	9	90	Orrù Roberto
1	IA/0154	Applied Statistics for Industrial Engineering	ICHI-01/C	B	9	90	Grosso Massimiliano
2	IA/0044	Integrated Course: Industrial and Energetic Processes					
	IA/0045	Module: Industrial Processes	ICHI-02/B	B	6	60	Mais Laura
	IA/0046	Module: Energetic Processes	ICHI-02/B	B	6	60	Mais Laura
2	70/LM-0078	Environmental Conscious Energy and Chemical Processes	ICHI-02/A	B	9	90	Mascia Michele

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0240/EN	Process Modeling and Simulation 	ING-IND/26	B	9	90	Baratti Roberto Leonzio Grazia
1	IA/0187/EN	Chemical and Biological Reactors 	ING-IND/24	B	9	90	Cincotti Alberto
1	IA/0188/EN	Integrated course: Safety and environmental chemical engineering with design project					
	IA/0547/EN	Module: Safety and Reliability of Chemical Processes 	ING-IND/25	B	6	60	Concas Alessandro
	IA/0548/EN	Module: Environmental Chemical Engineering 	ING-IND/25	B	6	60	Concas Alessandro
2	IN/0241/EN	Advanced Systems of Process Control 	ING-IND/26	B	9	90	Tronci Stefania

enrolled student a.y. 2026/27 and 2025/26

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



Table 1. Three courses between:

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0039	Fundamentals of Machine Design	IIND-03/A	C	6		Leban Bruno
1	IA/0639/EN	Machine Learning for Chemical and Biochemical Engineers 	ICHI-01/C	C	6		Tronci Stefania
1	IA/0033	Industrial Energy Technologies	IIND-06/B	C	6		Petrollese Mario
1	IN/0158	Biochemistry	BIOS-07/A	C	6		Fais Antonella
1	13174	Project Management	ECON-07/A	C	6		Dessì Cinzia
1	IN/0091	Applied Thermodynamics	IIND-07/B	C	6		Baccoli Roberto
1	IA/0301/EN	Surface Forces and Adsorption 	CHEM-02/A	C	6		Parsons Drew F.
2	IN/0233	Chemistry and Technology of Food	CHEM-07/B	C	6		Corrias Francesco
2	IA/0486	Bioengineering of Tissue-Organ Systems and Artificial Organs	ICHI-01/B	C	6		Lai Nicola
2	2487	Microbiology	MEDS-03/A	C	6		De Logu Alessandro
2	IA/0488	Nanotechnology for Diagnostic and Therapeutic Applications	CHEM-06/A	C	6		Casula M. Francesca

Civil Engineering (LM-23)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0003	Geodesign	CEAR-12/A	C	6	60	Campagna Michele
1	IA/0211	Integrated Course: Theory and Computational mechanics of structures					
1	IA/0181	- Module: Theory of Structures	CEAR-06/A	B	6	60	Spagnuolo Mario
2	IA/0209/EN	- Module: Computational mechanics of structures 	CEAR-06/A	B	6	60	Eremeev Victor
	IN/0141	Integrated Course: Construction of Road, Railways and Airport 2 and Transportation Planning					
1	IN/0142	- Module: Construction of Road, Railways and Airport 2	CEAR-03/A	B	6	60	Coni Mauro
2	IN/0143	- Module: Transportation Planning	CEAR-03/B	B	6	60	<i>to be defined</i>
Curriculum Hydraulics							
1	IA/0070	Numerical Calculus	MATH-05/A	C	6	60	Buccini Alessandro
	IN/0144	Integrated Course: Hydraulics 2 and Maritime Hydraulics					
2	IN/0145	- Module: Hydraulics 2	CEAR-01/A	B	6	60	Badas Maria Grazia
2	IN/0146	- Module: Maritime Hydraulics	CEAR-01/A	B	6	60	Badas Maria Grazia
Curriculum Sustainable Smart Building and Constructions							
1	IA/0578	Operations research	MATH-06/A	C	6	60	Gorgone Enrico
2	IA/0119	Sustainable Building: Bioclimatic Design	CEAR-08/A	B	6	60	Desogus Giuseppe
2	IN/0124	<i>One choice between:</i> Thermal HVAC Systems	IIND-07/B	C	6	60	Mastino Costantino C.
2	IA/0058	Real Estate Appraisal	CEAR-03/C	C	6	60	Muroni Emanuel
2	IA/0580	Sustainable Spatial Design	CEAR-12/A	C	6	60	Balletto Ginevra
Curriculum Structures							
1	IA/0070	Numerical Calculus	MATH-05/A	C	6	60	Buccini Alessandro
2	IN/0194	Theory and Design of Steel Construction	CEAR-07/A	B	6	60	Fenu Luigi
Curriculum Transportations							
1	IA/0578	Operations research	MATH-06/A	C	6	60	Gorgone Enrico
	IA/0381	Integrated Course: Transport System Design and Theory and Technology Traffic Flow					
2	IA/0382	- Module: Transport System Design	CEAR-03/B	B	6	60	Fancello Gianfranco
2	IA/0380	- Module: Theory and Technique of Road Traffic Flow	CEAR-03/B	B	6	60	<i>to be defined</i>



Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0040	Foundations and Earth Retaining Structure	ICAR/07	C	6	60	Soccolato Fabio M.
1	70/LM-0077	Watershed and Stream Restoration Engineering	ICAR/02	B	6	60	Montaldo Nicola
1	IA/0210	Integrated Course: Design, Control and Inspection of Structures and Buildings in Wood and Masonry					
1	IA/0182	- Module: Design, Monitoring and Inspection of Structures	ICAR/09	B	6	60	Stochino Flavio
2	IA/0184	- Module: Design of Timber and Masonry Structures	ICAR/09	B	6	60	Concu Giovanna
Curriculum Hydraulics							
1	IN/0189	Hydrological Models	ICAR/02	B	6	60	Deidda Roberto
2	IN/0190	Water Systems Planning and Management	ICAR/02	B	6	60	Cristiano Elena
2	IA/0062	Maritime Engineering	ICAR/02	B	6	60	Montaldo Nicola
Curriculum Sustainable Smart Building and Constructions							
1	IA/0212	<i>One choice between:</i> Urban Microclimatic Design and Natural Building Ventilation	ICAR/01	B	6	60	Ferrari Simone
1	IA/0121	Hydraulic services design	ICAR/02	B	6	60	Saba Andrea
1	IA/0122	Structural diagnosis and reinforcement of buildings	ICAR/09	B	6	60	Sassu Mauro Puppio Mario Lucio
2	IA/0147	Integrated Course: Sustainable building					
2	IA/0147-1	- Module: Energy performance of building	ING-IND/11	C	6	60	Frattolillo Andrea
2	IA/0147-2	- Module: Building Information Modeling: from knowledge to integrated design	ICAR/11	B	6	60	Quaquero Emanuela
2	IA/0146	Integrated building design lab - Sustainable building		F	3	40	Quaquero Emanuela
Curriculum Structures							
1	IA/0186/EN	Structural stability and limit analysis of structures 	ICAR/08	B	6	60	Eremeev Victor
	IA/0214	Integrated Course: Dynamics of Structures and Seismic Engineering					
1	IN/0055	- Module: Dynamics of structures	ICAR/08	B	6	60	Porcu Maria Cristina
2	IA/0215	- Module: Seismic Engineering	ICAR/09	B	6	60	Stochino Flavio
2	IA/0185	Design of Bridges and Special Structures	ICAR/09	B	6	60	Mistretta Fausto
Curriculum Transportations							
2	70/LM-0095	Road, Airfield and Railway Pavements	ICAR/04	B	6	60	Coni Mauro
2	70/LM-0105	Logistic and Freight Transportation	ICAR/05	B	6	60	Fancello Gianfranco



2	70/LM-0106	<i>choose between:</i> Urban and Metropolitan Transport	ICAR/05	B	6	60	Sottile Eleonora
2	70/LM-0104	Rail Transport	ICAR/05	B	6	60	Piras Francesco

Other optional activities

Sem	Code course	Laboratories	SSD	TAF	ECTS	H	Teacher
1	IN/0152	Structures Finite Element Modeling	ICAR/09	F	3	45	Sassu Mauro
1	IN/0151	Structural Reconditioning: Analysis, Diagnosis, Retrofitting	ICAR/09	F	3	45	Concu Giovanna
1	IN/0154	Traffic Simulation Model Laboratory	ICAR/05	F	3	45	Piras Francesco
2	IA/0064	Laboratory of Maritime Hydrodynamics Modelling	ICAR/01	F	3	45	Balzano Andrea
2	IA/0529	Workshop on Assisted Road Design and Reconstruction of Road Accidents	ICAR/04	F	3	45	Maltinti Francesca <i>to be defined</i>
2	IN/0222	Watershed and Stream Restoration Engineering Laboratory	ICAR/02	F	3	45	Viola Francesco
2	IA/0528/EN	Continuum Mechanics	CEAR-06/A	F	3	30	Spagnuolo Mario

Internet Engineering (LM-27)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0359	Integrated Course: Computer Technologies and Law					
1	IA/0205/EN	- Module: Artificial intelligence 	IINF-05/A	C	6	60	Fumera Giorgio Demontis Ambra
1	IA/0217	- Module: Legal Computer Science	GIUR-17/A	C	5	50	Farina Massimo
1	IA/0358	Integrated Course: Access Technologies and Coding					
1	IA/0076	- Module: Codes	IINF-03/A	B	6	60	Giusto Daniele
2	IA/0018	- Module: Access Networks	IINF-03/A	B	6	60	Murroni Maurizio
1	IA/0360	Integrated Course: Secure and Programmable Networks					
1	IA/0218/EN	- Module: Network security 	IINF-03/A	C	4	40	Martalò Marco
2	IA/0361	- Module: Programmable Networks	IINF-03/A	B	6	60	Atzori Luigi
2	IA/0219	- Module: Network security lab	IINF-03/A	F	2	20	Martalò Marco
1	IA/0362	Integrated Course: Wireless Systems					
1	IA/0363	- Module: Wireless Devices Design	IINF-02/A	B	5	50	Casula G. Andrea
2	IA/0371	- Module: MIMO wireless systems	IINF-02/A	B	5	50	Casula G. Andrea
2	IA/0134/EN	Stochastic models 	IINF-04/A	C	5	50	Pilloni Alessandro

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0367/EN	Internet of things and digital twins 	ING-INF/03	B	6	60	Nitti Michele
1	IA/0125/EN	<i>Choose between:</i> Advanced embedded systems 	ING-INF/01	C	8	80	Meloni Paolo
1	IA/0520/EN	Integrated course: Quantum Computing, Communications and Security					
1	IA/0521/EN	- Module: Quantum computing and communications 	FIS/03	C	6	60	Pintus Paolo
1	IA/0522/EN	- Module: Quantum Security 	ING-INF/03	C	2	20	Martalò Marco
1	IA/0365	Integrated course: Physical-layer techniques for Wireless communication security and applications					
1	IA/0122/EN	- Module: Physical-layer techniques for Wireless communication security 	ING-INF/02	C	6	60	Curreli Nicola
2	IA/0366	- Module: Radio Security in Automotive	ING-INF/02	C	2	20	Sorrentino Antonio
2	IA/0116/EN	Cybersecurity Technologies and Risk Management	ING-INF/05	C	8	80	Giacinto Giorgio Fumera Giorgio
		Courses from Table 1 or 2					



Table 1. Transmission and systems

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0368	Integrated Communications and Sensing	ING-INF/02	B	6	60	Lodi Matteo Bruno
1	IA/0369	Radio Systems Laboratory	ING-INF/02	F	2	20	Casula G. Andrea
2	IA/0370	Wireless Networks Planning	ING-INF/03	B	6	60	Anedda Matteo
2	IA/0371	MIMO wireless systems	ING-INF/02	C	6	60	Casula G. Andrea

Table 2. Services and applications

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0373	Smart housing and smart cities	ING-INF/03	B	6	60	Pilloni Virginia
2	IA/0372	ML for Communications and Networks	ING-INF/03	B	6	60	Nitti Michele
2	IA/0374	Metaverse	ING-INF/03	C	6	60	Porcu Simone
2	IA/0375	Service deployment Laboratory	ING-INF/03	F	2	20	<i>to be defined</i>

Other optional activities

Sem	Code course	Laboratories	SSD	TAF	ECTS	H	Teacher
2	IA/0030	iOS Programming	IINF-03/A	F	2	20	Giusto Daniele
2	IA/0208	Project management and team working	IINF-03/A	F	4	40	Atzori Luigi
2	IA/0366	Radio Security in Automotive	IINF-02/A	F	2	20	Sorrentino Antonio
2	IA/0364	Product management		F	2	20	<i>to be defined</i>



Electrical Engineering (LM-28)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0064	Measurements for Electric Energy	IMIS-01/B	B	9	90	Muscas Carlo Castello Paolo
1	IA/0172	Occupational Health and Safety	CEAR-02/B	C	6	60	Dentoni Valentina
1	IN/0115	Integrated Course: Power Systems: Analysis, Dynamics and Stability					
1	IN/0116	- Module: Power Systems Analysis and Control	IIND-08/B	B	6	60	Celli Gianni Pisano Giuditta
2	IN/0117	- Module: Power Systems Dynamics and Stability	IIND-08/B	B	6	60	Celli Gianni
	IN/0125	Integrated Course: Electrical Energy Management and Electrical Vehicles					
1	IN/0127	- Module: Electrical Vehicles	IIND-08/A	B	5	50	Porru Mario
2	IN/0126	- Module: Electrical Energy Management	IIND-08/A	B	5	50	Damiano Alfonso
2	70/LM-0003	Analysis and Control of MIMO Systems	IINF-04/A	C	6	60	Usai Elio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0052	Power Systems Generation and Economics	ING-IND/33	B	9	90	Ghiani Emilio Pilo Fabrizio G.L.
1	70/LM-0032	Applied Electromagnetism in Electrical and Energy Engineering	ING-IND/31	B	9	90	Sias Giuliana
	IA/0008	Integrated Course: Electric Energy Conversion and Propulsion Systems					
1	IA/0579	- Module: Electric Propulsion Systems	ING-IND/32	B	6	60	Serpi Alessandro
2	IA/0009	- Module: Static Electric Energy Conversion and Electromagnetic Compatibility	ING-IND/32	B	6	60	Gatto Gianluca Paramasivam Santhosh Ramasany Suganthi
	IA/0113	Integrated Course: Design of Signal Processing Systems					
2	IA/0114	- Module: Design of Signal Processing Circuits	ING-IND/31	B	6	60	Cannas Barbara
2	IA/0139/EN	- Module: Data driven models for system engineering 	ING-IND/31	B	6	60	Montisci Augusto

Electronic Engineering (LM-29)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
	IA/0551	Integrated course: Electronic Systems, Circuits and Components					
1	IA/0143	- Module: Reliability of Electronic Components	IINF-01/A	B	5	50	Mura Giovanna
1	IA/0550	- Module: Microelectronics	IINF-01/A	B	6	60	Barbaro Massimo
1	IA/0515	- Module: Design of Integrated Systems 	IINF-01/A	B	6	60	<i>to be defined</i>
	IA/0552	Integrated Course: Transmission, Measurement and Control Systems					
1	IA/0549	- Module: Radio-Frequency Circuits	IINF-02/A	B	7	70	Montisci Giorgio
2	70/LM-0088	- Module: Automatic Measurement Systems	IMIS-01/B	B	6	60	Pegoraro Paolo A. Sulis Sara
2	IN/0120	- Module: Advanced Control Systems	IINF-04/A	C	3	30	Usai Elio
		<i>TAF B Course to choose</i>					
1	IA/0553/EN	Integrated circuit design 	IINF-01/A	B	6	60	Barbaro Massimo
2	IA/0148/EN	Cyber-physical system architectures 	IINF-01/A	B	6	60	Palumbo Francesca
2	IA/0136	Pervasive wireless systems	IINF-02/A	B	6	60	Mazzarella Giuseppe <i>to be defined</i>
		<i>TAF C Course to choose</i>					
2	IA/0013/EN	Machine Learning 	IINF-05/A	C	6	60	Biggio Battista
2	IA/0154/EN	Nanoelectronics 	PHYS-04/A	C	6	60	Melis Claudio
2	IA/0018	Access technologies	IINF-03/A	C	6	60	Murroni Maurizio

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
		<i>TAF B Course to choose</i>					
1	IA/0125/EN	Advanced Embedded Systems 	ING-INF/01	B	8	80	Meloni Paolo
1	IA/0149/EN	Optoelectronics, Diagnostics and Aerospace Applications 	ING-INF/01	B	7	70	Mura Giovanna
1	IA/0153/EN	Data Acquisition Technologies 	ING-INF/07	B	6	60	Castello Paolo
1	IA/0146/EN	Mixed-Signal Circuits and Systems 	ING-INF/01	B	6	60	Leone Gianluca Salis Cinzia
2	IA/0554	Microwave and Antenna Engineering	ING-INF/02	B	6	60	Montisci Giorgio
2	IA/0152/EN	Biosensors and Bioelectronics 	ING-INF/01	B	6	60	Lai Stefano <i>to be defined</i>
2	IA/0519/EN	Flexible electronics and applications 	ING-INF/01	B	7	70	Cosseddu Piero



		<i>TAF C Course to choose</i>						
1	IA/0205/EN	Artificial Intelligence		ING-INF/05	C	6	60	Fumera Giorgio Demontis Ambra
1	IA/0367/EN	Internet of things and digital twins		ING-INF/03	C	6	60	Nitti Michele
2	IA/0556/EN	Discrete-event and hybrid systems		ING-INF/04	C	6	60	Giua Alessandro



Energy Engineering (LM-30)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0032	Applied Electromagnetism in Electrical and Energy Engineering	IEIT-01/A	C	6	60	Sias Giuliana
1	IN/0123	Energetics	IIND-07/B	B	6	60	Baccoli Roberto
1	70/LM-0038	Nuclear Reactor Physics	IIND-07/C	C	5	50	Cicalò Corrado
1	IA/0558	Integrated Course: Building Information Modeling and Thermal Hvac Systems					
1	IA/0634	- Module: BIM-MEP for Energy Plants	IIND-07/B	C	6	60	Mastino Costantino C.
2	IN/0124	- Module: Thermal Hvac Systems	IIND-07/B	B	6	60	Mastino Costantino C.
2	IA/0635	Applied Geophysics for Geothermal Exploration	GEOS-04/B	C	6	60	Deidda Gian Piero
		3 courses between:					
1	70/LM-0010	Automatic Control Systems	IINF-04/A	C	6	60	Pisano Alessandro
2	IA/0278	Electrical Machines and Drives	IIND-08/A	C	6	60	Serpi Alessandro
2	IA/0139/EN	Data Driven Models for System Engineering 	IJET-01/A	C	6	60	Montisci Augusto
2	IA/0040	Environmental Impact Energy Systems	IIND-06/B	C	6	60	Tola Vittorio
2	IA/0376	Building Energy Performance	IIND-07/B	C	6	60	Frattolillo Andrea
2	IN/0143	Transportation Planning	CEAR-03/B	C	6	60	to be defined
2	IA/0302	Smart Grid	IIND-08/B	C	6	60	Mocci Susanna
2	IA/0636	Hydrogen Production and Utilization Technologies	ICHI-02/A	C	6	60	Mascia Michele
2	IA/0235	Integrated Course: IoT Platforms					
2	IA/0236	- Module: Hardware Platforms for IoT	IINF-01/A	C	3	30	Palumbo Francesca
2	IA/0237	- Module: Data Processing and Transmission	IINF-03/A	C	3	30	Pilloni Virginia

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	70/LM-0052	Power Systems Generation and Economics	ING-IND/33	B	9	90	Ghiani Emilio Pilo Fabrizio G.L.
	IN/0125	Integrated Course: Electrical Energy Management and Electrical Vehicles					
1	IN/0127	- Module: Electrical Vehicles	ING-IND/32	B	5	50	Porru Mario
2	IN/0126	- Module: Electrical Energy Management	ING-IND/32	B	5	50	Damiano Alfonso



1	IA/0032	Integrated Course: Renewable and Industrial Energy Technologies					
2	IA/0276	- Module: Advanced Energy Systems	ING-IND/09	B	6	60	Petrollese Mario
2	70/LM-0098	- Module: Renewable Energy Technologies	ING-IND/09	B	6	60	Cocco Daniele
2	IA/0034	EMC and Power Electronic Energy Conversion	ING-IND/32	B	6	60	Gatto Gianluca Paramasivam Santhosh Ramasamy Suganti

Other available activities

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0560	Dynamic Simulation of Nuclear Fission Reactors	IIND-07/C	F	1	10	Cicalò Corrado
1	IN/0131	Modeling and Simulation of Energy Systems	IIND-06/B	F	3	30	Petrollese Mario
1	13174	Project Management	ECON-07/A	F	4	36	Dessì Cinzia
1	IA/0279	Technologies for Energy Efficiency	IIND-06/B	F	3	30	Petrollese Mario
1	IA/0561	Technologies for Energy Production from Nuclear Fusion	ING-IND/31	F	3	30	Sias Giuliana
1	IN/0154	Traffic Simulation Model Laboratory	CEAR-03/B	F	3	45	Piras Francesco
2	IA/0035	Electrical Energy Management Systems Lab	IIND-08/A	F	2	20	Bossi Giuseppe
2	IA/0043	Smart Grid Lab	IIND-08/B	F	2	20	Ruggeri Simona
2	IA/0562	FEM and Multi-Physics Simulation	IJET-01/A	F	3	30	Montisci Augusto
2	IA/0563	Industrial EMC	IIND-08/A	F	2	20	Kumar Amit
2	IA/0564	Energy Management Systems	IIND-08/A	F	2	20	Porru Mario
2	IA/0565	Energy Systems Optimization	IINF-04/A	F	3	30	Pisano Alessandro



Management Engineering (LM-31)

available only first year

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0584	Integrated Production Systems	IIND-04/A	B	9	90	El Mehtedi Mohamad
1	IA/0578	Operations Research	MATH-06/A	C	6	60	Gorgone Enrico
1	IA/0628	Integrated Course: Supervisory and Control Systems					
1	IA/0115/EN	- Module: Supervisory Control and Monitoring 	IINF-04/A	B	9	90	Seatzu Carla Usai Elio
2	IA/0141	- Module: Digital Control	IINF-04/A	B	6	60	Pisano Alessandro
2	IA/0585	Business Management	IEGE-01/A	B	9	90	<i>to be defined</i>
2	IA/0586	Digital and Sustainable Industrial Systems	IIND-05/A	B	9	90	Orrù Pier Francesco
2	IA/0587	Statistics	STAT-01/A	C	6	60	<i>to be defined</i>



Computer Engineering, Cybersecurity and Artificial Intelligence (LM-32)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0113/EN	Industrial Software Development	IINF-05/A	B	7	70	Biggio Battista Demontis Ambra
1	IA/0116/EN	Cybersecurity Technologies and Risk Management	IINF-05/A	B	8	80	Giacinto Giorgio Fumera Giorgio
1	IA/0115/EN	Supervisory control and monitoring	IINF-04/A	B	9	90	Seatzu Carla Usai Elio
1	IA/0579/EN	Integrated Course: Network and web security					
1	IA/0218/EN	- Module: Network security	IINF-03/A	C	4	40	Martalò Marco
2	IA/0580/EN	- Module: Web security	IINF-05/A	B	5	50	Maiorca Davide
1	IA/0114/EN	Integrated Course: Intelligent Systems					
1	IA/0205/EN	- Module: Artificial Intelligence	IINF-05/A	B	6	60	Fumera Giorgio Demontis Ambra
2	IA/0013/EN	- Module: Machine Learning	IINF-05/A	B	7	70	Biggio Battista
2	IA/0514/EN	Computer vision technologies and biometrics	IINF-05/A	B	6	60	Marcialis Gian Luca
2	IA/0117/EN	Fault diagnosis and estimation in dynamical systems	IINF-04/A	B	5	50	Franceschelli Mauro

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
	IA/0124/EN	Integrated Course: Embedded Systems					
1	IA/0125/EN	- Module: Advanced Embedded Systems	ING-INF/01	C	8	80	Meloni Paolo
1	IA/0367/EN	- Module: Internet of Things and digital twins	ING-INF/03	C	6	60	Nitti Michele
	IA/0581/EN	Integrated Course: Digital Forensics					
1	IA/0582/EN	- Module: Digital Forensics Techniques	ING-INF/05	B	5	50	Maiorca Davide
1	IA/0583/EN	- Module: Digital Forensics Law	IUS/20	C	5	50	Farina Massimo
1	IA/0207/EN	<i>one choice between:</i> Machine learning security	ING-INF/05	B	5	50	Biggio Battista
2	IA/0584/EN	Control, Learning and Security in Network Systems	ING-INF/04	B	5	50	Franceschelli Mauro
2	IA/0134/EN	Stochastic Models	ING-INF/04	B	5	50	Pilloni Alessandro
2	IA/0585/EN	Reverse Engineering and Malware Analysis	ING-INF/05	B	5	50	Maiorca Davide



enrolled student a.y. 2026/27 and 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1-2		Courses from Table 1		C	6		

Table 1. One course between:

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1st year							
2	IA/0118/EN	Integrated Course: Smart Grid and Critical Infrastructures					
2	IA/0119/EN	- Module: Industrial Informatics for energy storage systems	IIND-08/A	C	2	20	Porru Mario
2	IA/0120/EN	- Module: Critical infrastructures for innovative power distribution	IIND-08/B	C	2	20	Ruggeri Simona
2	IA/0121/EN	- Module: Measurements and Cybersecurity for Smart Grid	IMIS-01/B	C	2	20	Pegoraro Paolo A.
2	IA/0139/EN	Data driven models for system engineering	IJET-01/A	C	6	60	Montisci Augusto
2nd year							
1	IA/0122/EN	Physical-layer techniques for Wireless communication security	ING-INF/02	C	6	60	Curreli Nicola



Mechanical Engineering (LM-33)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0227	Mechanics of Materials	IIND-03/A	B	6	60	Aymerich Francesco
1	70/LM-0090	Manufacturing Systems	IIND-04/A	B	6	60	Buonadonna Pasquale
1	IA/0072	Integrated Course: Industrial Systems	IIND-05/A	B	6	60	Pilloni Maria Teresa
	IA/0326	- Module: Industrial Production Systems Management					
2	IA/0327	- Module: Industrial Production Systems Design	IIND-05/A	B	6	60	Orrù Pier Francesco
2	IA/0216	Mechatronics	IIND-02/A	B	9	90	Rea Pierluigi
1	70/LM-0056	<i>TAF B Course to choose</i> Finite Elements Analysis	IIND-03/A	B	6	60	Bertolino Filippo
2	IA/0176	Maintenance Management for Industrial Systems	IIND-05/A	B	6	60	Arena Simone
2	IN/0065	Mechanics of Composite Materials	IIND-03/A	B	6	60	Aymerich Francesco
2	IA/0204	Industrial Robotics	IIND-02/A	B	6	60	Rea Pierluigi Ruggiu Maurizio
2	70/LM-0098	Renewable Energy Technologies	IIND-06/B	B	6	60	Cocco Daniele
1	70/LM-0010	<i>TAF C Course to choose</i> Automatic Control Systems	IINF-04/A	C	6	60	Pisano Alessandro
1	IA/0070	Numerical Calculus	MATH-05/A	C	6	60	Fermo Luisa
2	IN/0124	Thermal HVAC Systems	IIND-07/B	C	6	60	Mastino Costantino C.
2	IA/0205	Economic and Management Engineering	IEGE-01/A	C	6	60	Morea Donato

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0033	Industrial Energy Technologies	ING-IND/09	B	9	90	Petrollese Mario
2	IA/0039	Design of Fluid Machinery	ING-IND/08	B	9	90	Ghisu Tiziano Puddu Pierpaolo
1	IA/0150	<i>TAF B Course to choose</i> Management of Energy Processes	ING-IND/09	B	6	60	<i>to be defined</i>
1	IN/0228	Experimental Mechanics	ING-IND/14	B	6	60	Baldi Antonio
1	70/LM-0096	Experimentation in Fluid Machines	ING-IND/08	B	6	60	Cambuli Francesco
2	IN/0064	Computational Modeling of Fluid Systems	ING-IND/08	B	6	60	Ghisu Tiziano
2	IA/0040	Environmental Impact Energy Systems	ING-IND/09	B	6	60	Tola Vittorio
1	13174	<i>TAF C Course to choose</i> Project management	SECS-P/08	C	6	36	Dessi Cinzia
1	2582	Business Organization	SECS-P/10	C	6	36	Pinna Roberta
2	IA/0278	Electrical Machines and Drives	ING-IND/32	C	6	60	Serpi Alessandro
2	IA/0206	Advanced Theory of Structures	ICAR/08	C	6	60	Brun Michele



Other available activities

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IN/0131	Modeling and Simulation of Energy Systems	IIND-06/B	F	3	30	Petrollese Mario
1	IA/0546	Modeling of Industrial Production Systems	IIND-05/A	F	3	30	Melesse Tsega Yenew
1	IA/0177	Introduction to Structural Dynamics	IIND-03/A	F	3	30	Carta Giorgio
2	IN/0229	Mechanical Design Project	CERA-06/A	F	3	30	Morini Lorenzo

Environmental Engineering for Sustainable Development (LM-35)

First year – enrolled student a.y. 2026/27

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
1	IA/0155	Numerical Computing: Methods, Models and Algorithm	MATH-05/A	C	6	60	Fermo Luisa
1	IA/0156	Scientific Computing Workshop	MATH-05/A	F	3	30	Rodriguez Giuseppe Fenu Caterina
1	70/LM-0044	Environmental Geoengineering	CEAR-02/B	B	6	60	Grosso Battista
1	IA/0530	Environmental Fluid Mechanics	CEAR-01/A	B	6	60	Querzoli Giorgio
1	IN/0133	Integrated Course: Remediation and Chemical-Physical Treatment of Soils					
	IN/0135	- Module: Chemical-Physical Treatment of Soils	CEAR-02/C	B	6	60	Surracco Marco
	IN/0134	- Module: Contaminated Sites Remediation	CEAR-02/A	B	6	60	Muntoni Aldo
2	IA/0315	Geodesign Lab	CEAR-12/A	F	3	50	Campagna Michele
2	70/LM-0042	Applied Geophysics	GEOS-04/B	B	6	60	Deidda Gian Piero
2	70/LM-0050	Hydrogeology	GEOS-03/B	B	6	60	Carletti Alberto
2	IN/0132	Impact Assessment and Environmental Rehabilitation	CEAR-02/B	B	6	60	<i>to be defined</i>

Second year – enrolled student a.y. 2025/26

Sem	Code course	Teaching course	SSD	TAF	ECTS	H	Teacher
		<i>one choice between:</i>					
1	70/LM-0040	Foundations and Earth Retaining Structures	ICAR/07	C	6	60	Soccodato Fabio M.
1	IA/0316	Remote Sensing for Environment Monitoring and Modelling	ICAR/06	C	6	60	Vacca Giuseppina
1	IA/0317/EN	Urban and Regional Sustainability: Smart Cities and Ecosystem Services in Planning	ICAR/20	C	6	60	Garau Chiara Leone Federica
2	70/LM-0007	Geochemical Characterization	GEO/09	C	6	60	Valera Paolo
2	IA/0318	Green and Applied Chemistry	CHIM/07	C	6	60	Serpe Angela
2	IA/0583	Environmental Economics	SECS-P/03	C	6	60	Strazzera Elisabetta
2	IA/0042	Design of Environmental Remediation and Decontamination Systems	ICAR/03	C	6	60	De Gioannis Giorgia
2	70/LM-0087	Safety and Project Management at Construction Sites	ING-IND/28	C	6	60	Dentoni Valentina



2	70/LM-0098	Renewable Energy Technologies	ING-IND/09	C	6	60	Cocco Daniele
	IA/0319	Integrated Course: Digital Platforms for Monitoring					
2	IA/0236	- Module: Hardware Platforms for IoT	ING-INF/01	C	3	30	Palumbo Francesca
2	IA/0237	- Module: Data Processing and Transmission	ING-INF/03	C	3	30	Pilloni Virginia
Curriculum Environmental Technologies							
1	IA/0320/EN	Sustainable solid waste management: materials and energy recovery 	ICAR/03	B	9	90	Muntoni Aldo Asunis Fabiano
1	IA/0155/EN	Wastewater Treatment Plants 	ICAR/03	B	9	90	Carucci Alessandra Cappai Giovanna S.
	IN/0073	Integrated Course: Treatment of Fluids and Waste Gases					
2	IN/0074	- Module: Treatment of Fluids	ING-IND/29	B	6	60	Surracco Marco
2	IN/0245/EN	- Module: Control and Treatment of Atmospheric Emissions 	ICAR/03	B	6	60	Cappai Giovanna S.
Curriculum Geo-engineering and Land Protection							
	IN/0070	Integrated Course: Hydrogeological Protection					
1	IN/0071	- Module: Watershed and Stream Restoration Engineering	ICAR/02	B	6	60	Montaldo Nicola
1	IN/0072	- Module: Slope Instability and Hydrogeological Risk	GEO/05	B	6	60	Carletti Alberto
	IN/0136	Integrated Course: Rock Engineering					
1	IN/0137	- Module: Rock Mechanics	ING-IND/28	B	6	60	Grosso Battista
2	IN/0138	- Module: Excavation Engineering and Underground Works	ING-IND/28	B	6	60	Careddu Nicola
	IN/0210	<i>choose between:</i> Coastal Hydraulics	ICAR/01	B	6	60	Badas Maria Grazia
2	IN/0211	Design and Management of Geoengineering Works for Environment Protection	ING-IND/28	B	6	60	Careddu Nicola
Curriculum Regional and Urban Planning							
1	IA/0003	Geodesign	ICAR/20	B	6	60	Campagna Michele
	IN/0067/EN	Integrated Course: Strategic Environmental Planning					
1	IN/0068/EN	- Module: Environmental Planning 	ICAR/20	B	6	60	Garau Chiara
2	IN/0242/EN	- Module: Strategic Planning 	ICAR/20	B	6	60	Lai Sabrina
	IA/0321	Integrated Course: Planning Energy System					
1	IA/0323	- Module: Sustainable Urban and Territorial Planning	ICAR/20	B	6	60	Balletto Ginevra
2	IA/0322	- Module: Territorial Energy Systems: Analysis and Design	ING-IND/11	C	6	60	Frattonillo Andrea



Laboratories that can be chosen by students to satisfy part of the credits of own free choice

Sem	Code course	Laboratory	SSD	ECTS	H	Teacher
1	IA/0640/EN	Advanced Biorefinery Laboratory	CEAR-02/A	2	25	De Gioannis Giorgia
2	IN/0220	Sanitary and Environmental Engineering Laboratory	ICAR/03	2	25	Cappai Giovanna
2	IA/0170	Environmental Geophysics Lab	GEO/11	3	30	Deidda Gian Piero
2	IA/0001	Workshop of Regional Planning	ICAR/20	3	45	Lai Sabrina Zoppi Corrado
2	IN/0221	Laboratory of Safety and Project Management at Construction Sites	ING-IND/28	3	25	Pinna Francesco

Other optional activities can be communicated on course web site.